



2018 Investor Summit

February 15, 2018



Welcome to our Investor Summit



Dana Quattrochi
Investor Relations

agenda

Opening and Closing Remarks

Jonathan Bush • *Chief Executive Officer*

Financial Expectations

Marc Levine • *Chief Financial Officer*

Technology and Platform Strategy

Prakash Khot • *Chief Technology Officer*

Core Services Strategy

Kyle Armbruster • *Chief Product Officer*

Network Services Strategy

Jonathan Porter • *SVP Network Services*

Fireside Chat

Tim O'Brien, *CMO* • Paul Merrild, *SVP Sales* • Bret Connor, *SVP Customer Success*

Safe Harbor Statement

This presentation contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, including statements reflecting athenahealth, Inc. (“athenahealth” or “we”) management’s expectations for: future financial and operational performance and operating expenditures; expected growth, including total addressable market, expansion of the network and the related network effect, anticipated revenues, profitability, and bookings; market trends and business outlook, including fiscal 2018 guidance; the anticipated benefits of our service offerings and plans and timelines for developing and expanding those offerings, including expansion and deepening of our services, and market expansion; the anticipated benefits of our investments on our revenue growth, profitability and cash flow; near- and long-term goals for our growth and profitability priorities; marketing and sales plans, strategies, and trends; and cultural, operational, and organizational goals and initiatives, including support for the full continuum of care, continued cost cutting initiatives, scale operations and improve efficiency, investments to support our strategies, improve cost of bookings, help our clients grow their market share, and our focus in 2018; the impact of new accounting pronouncements and tax reform; as well as statements found under our reconciliation of Non-GAAP financial measures included within this presentation. Such statements do not constitute guarantees of future performance, are neither promises nor guarantees, and are subject to a variety of risks and uncertainties, many of which are out of our control, which could cause actual results to differ materially from those contemplated in these forward-looking statements. In particular, the risks and uncertainties include, among other things: our highly competitive industry and our ability to compete effectively and remain innovative; the development of the market for cloud-based healthcare information technology services; changes resulting from a change in administration in the United States; changes in the healthcare industry and their impact on the demand for our services; our ability to effectively manage our growth; the impact of implementation of our strategic plan to improve operational efficiency; our ability to protect our intellectual property; current and future litigation, including for intellectual property infringement; our dependence on third-party providers; risks and costs associated with our worldwide operations; our ability to attract and retain highly skilled employees; our ability to successfully implement any transitions in our management; our fluctuating operating results; our ability to retain our clients and maintain client revenue; our tax liability; our variable sales and implementation cycles; the timing at which we recognize certain revenue and our ability to evaluate our prospects; defects and errors in our software or services, or interruptions or damages to our systems or those of third parties on which we rely; a data security breach; limitations on our use of data; the effect of payer and provider conduct; the failure of our services to provide accurate and timely information; changes in government regulation and the costs and challenges of compliance; the potential for illegal behavior by employees or subcontractors; and the price volatility of our common stock. Existing and prospective investors are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof. We undertake no obligation to update or revise the information contained in this presentation, whether as a result of new information, future events or circumstances, or otherwise, except as required by law. For additional information regarding these and other risks faced by us, please see the disclosures contained in our public filings with the Securities and Exchange Commission, available on the Investors section of our website at <http://www.athenahealth.com> and on the SEC's website at <http://www.sec.gov>.

Use of Non-GAAP Financial Measures

In our press releases, conference calls, slide presentations, or webcasts, we may use or discuss non-GAAP financial measures, as defined by Regulation G. The GAAP financial measure most directly comparable to each non-GAAP financial measure used or discussed herein, and a reconciliation of the differences between each non-GAAP financial measure and the comparable GAAP financial measure, are available within this presentation and within our public filings with the Securities and Exchange Commission, available on the Investors section of our website at <http://www.athenahealth.com>.



Opening Remarks



Jonathan Bush
Chief Executive Officer

**We are now – and have always
been– building the platform for
healthcare.**

Our purpose

**unleashing our collective potential
to transform healthcare**



Our purpose

We are the enabler

It's not just about us – it's about everyone

**unleashing our collective potential
to transform healthcare**

We're changing the industry



Our purpose

Open up
the network...

...multiply
its intelligence...

...and free people
to do what matters

Our purpose

unleashing our collective potential to transform healthcare

Our Commitments

Open the network

Multiply intelligence

Free people to do what matters

Our Fundamentals

People

Culture

Tech

Our Results

Revenue growth

Operating results

Managed risk

Our purpose

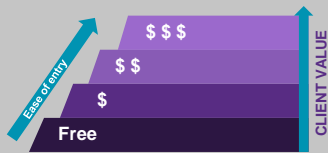
unleashing our collective potential to transform healthcare

Our Commitments

Open the network

Multiply intelligence

Free people to do what matters



Our Fundamentals

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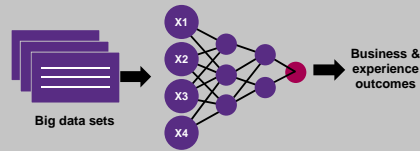
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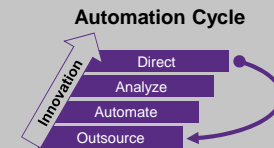
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Multiply intelligence

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Open the network

Multiply intelligence

Free people to do what matters

Our Fundamentals

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Tech

Teach healthcare and "agile"

Simple
Candid
Relevant
Edgy

Microservices
Real-time intelligence
Debt discipline

Revenue growth

Operating results

Managed risk

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unleashing our collective potential to transform healthcare

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Multiply intelligence

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Tech

7-13%

16-17%
operating income

Diversify revenue
through new services
and markets

Our Results

Revenue growth

Operating results

Managed risk

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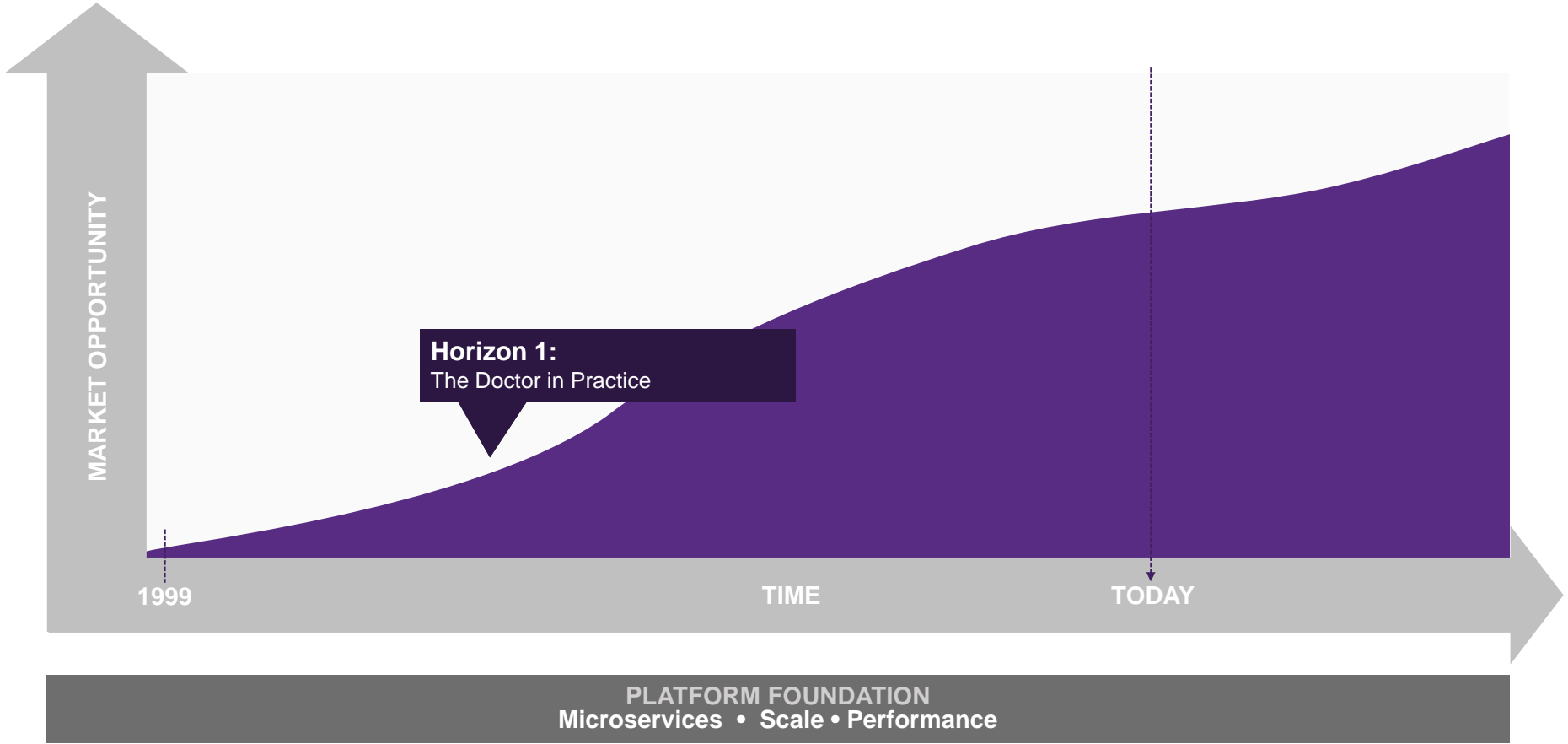
Our Results

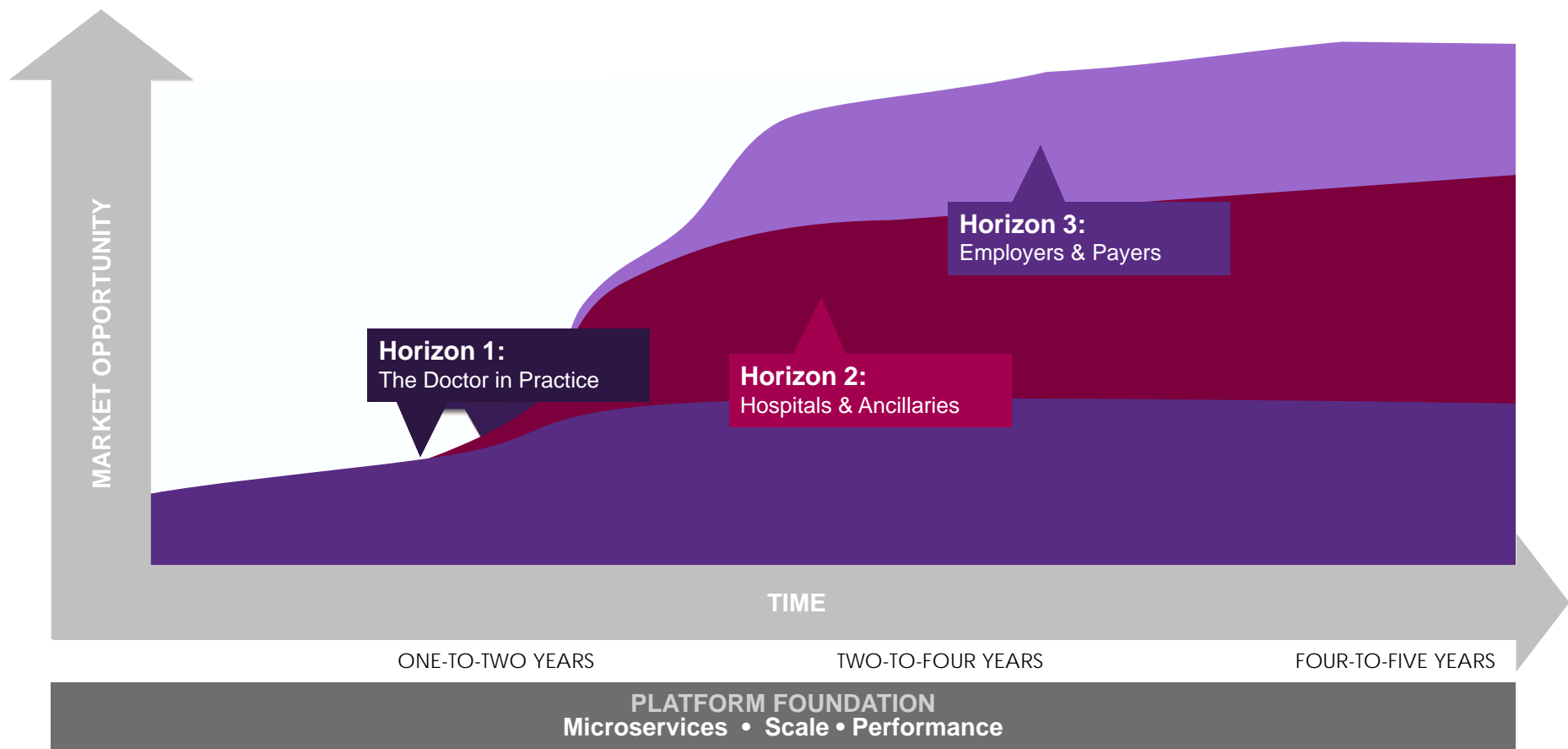
Revenue growth

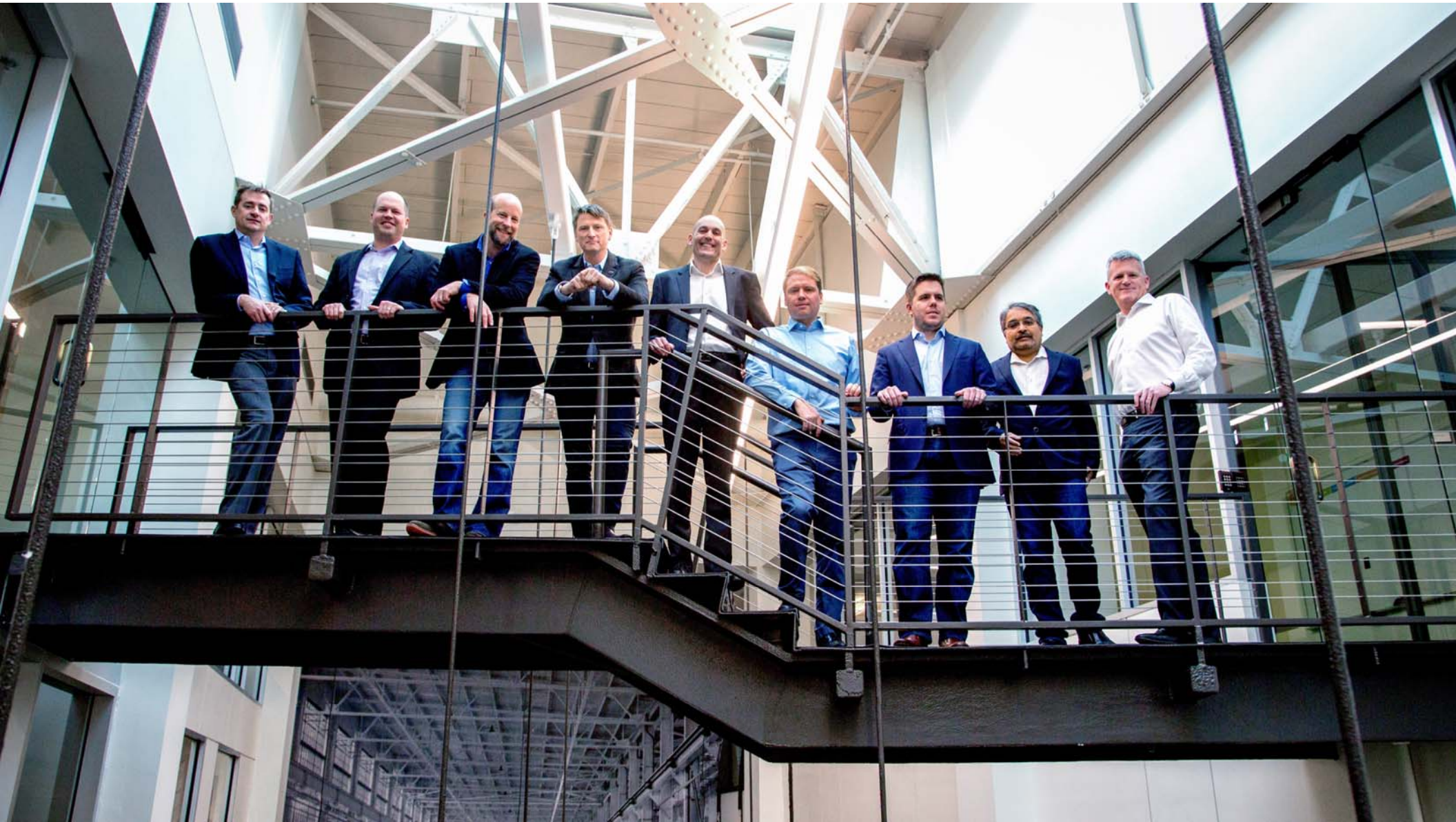
Operating results

Managed risk

In order to achieve our vision, we will invest in three growth markets over the next five years.









Financial Expectations



Marc Levine
Chief Financial Officer

2017 financial and operational highlights

Total Revenue

\$1.220B

13% YoY Growth

GAAP/Non-GAAP OP Inc¹

\$71M/\$175M

5.8%/14.3% of Revenue

Operating Cash Flow

\$241M

32% YoY Growth

Collector Providers

111K

15% YoY Growth

Discharge Bed Days

73K

>500% YoY Growth

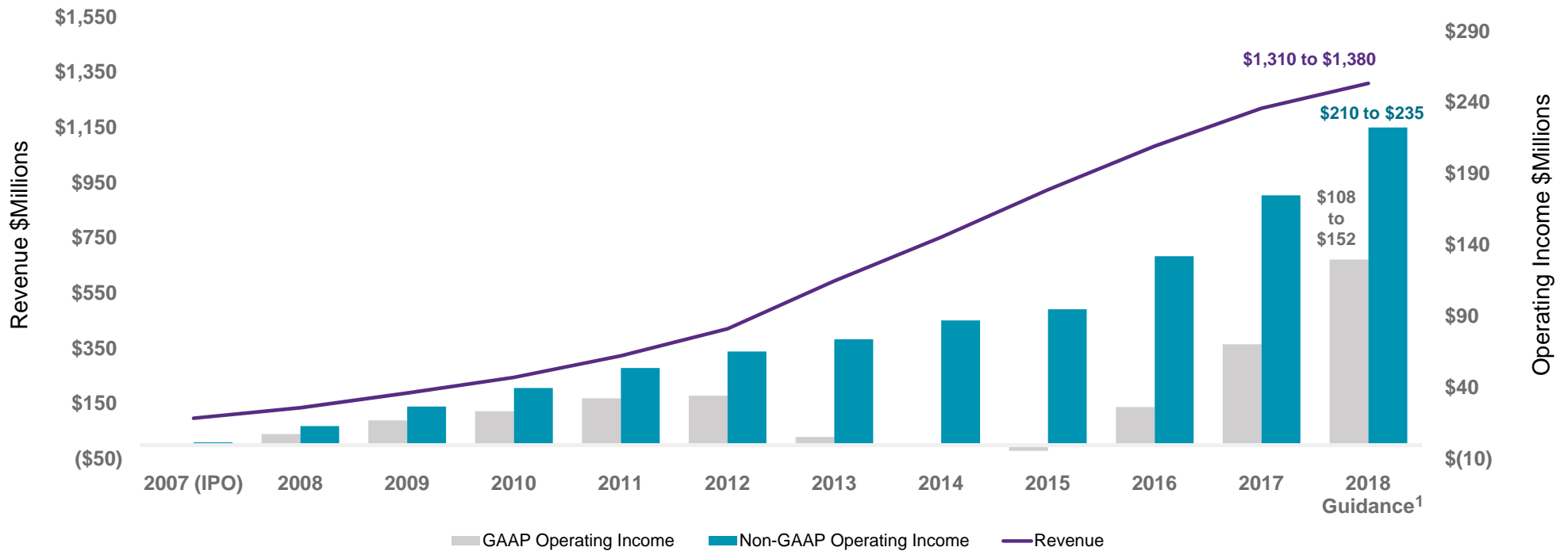
Covered Lives

3.3M

48% YoY Growth

¹ See non-GAAP reconciliation tables included in the appendix to this presentation as well as in the 2/1/18 press release.

While we remain focused on growth, we see opportunity for operating income expansion

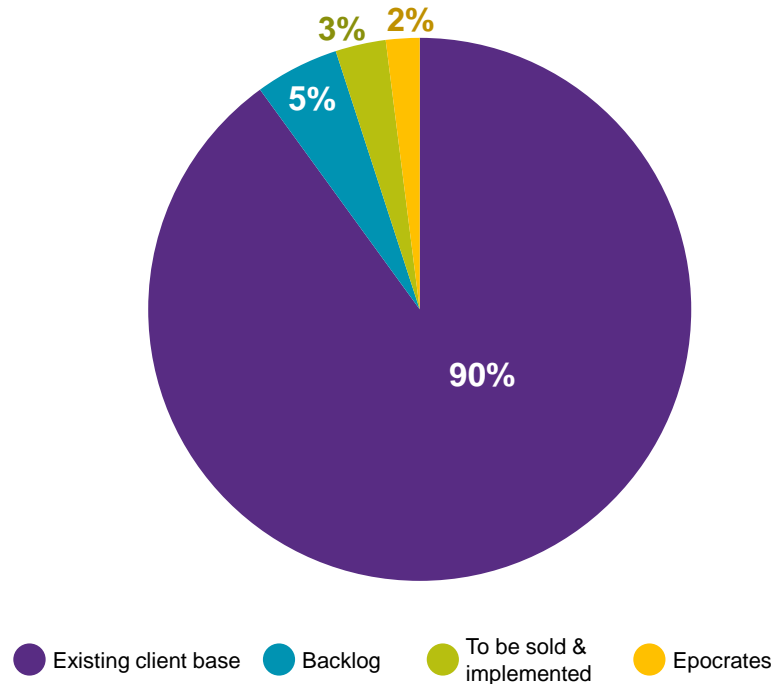


Note: These estimates reflect our current operating plan as of February 15, 2018, and are subject to change as future events and opportunities arise. Furthermore, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.

¹ See non-GAAP reconciliation tables included in the appendix to this presentation as well as in the 2/14/18 press release.

Our large installed base of recurring revenue provides a foundation for future growth and margin expansion

% Share of 2018 Revenue Budget



Key Assumptions

Existing Client Base

- Client Retention
- Utilization
- Client Ramp

Backlog & Bookings

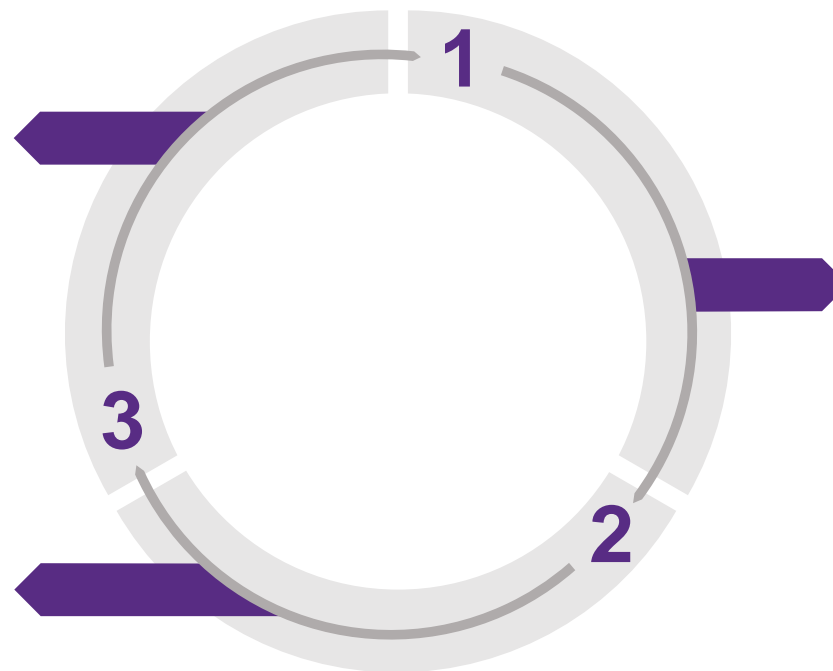
- 1H 2018 Bookings
- Implementation Timelines

Note: These estimates reflect our current operating plan as of February 15, 2018, and are subject to change as future events and opportunities arise. Furthermore, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.

Based on the investment opportunity horizon, we'll seek an optimal balance between revenue growth, operating margin, and free cash flow

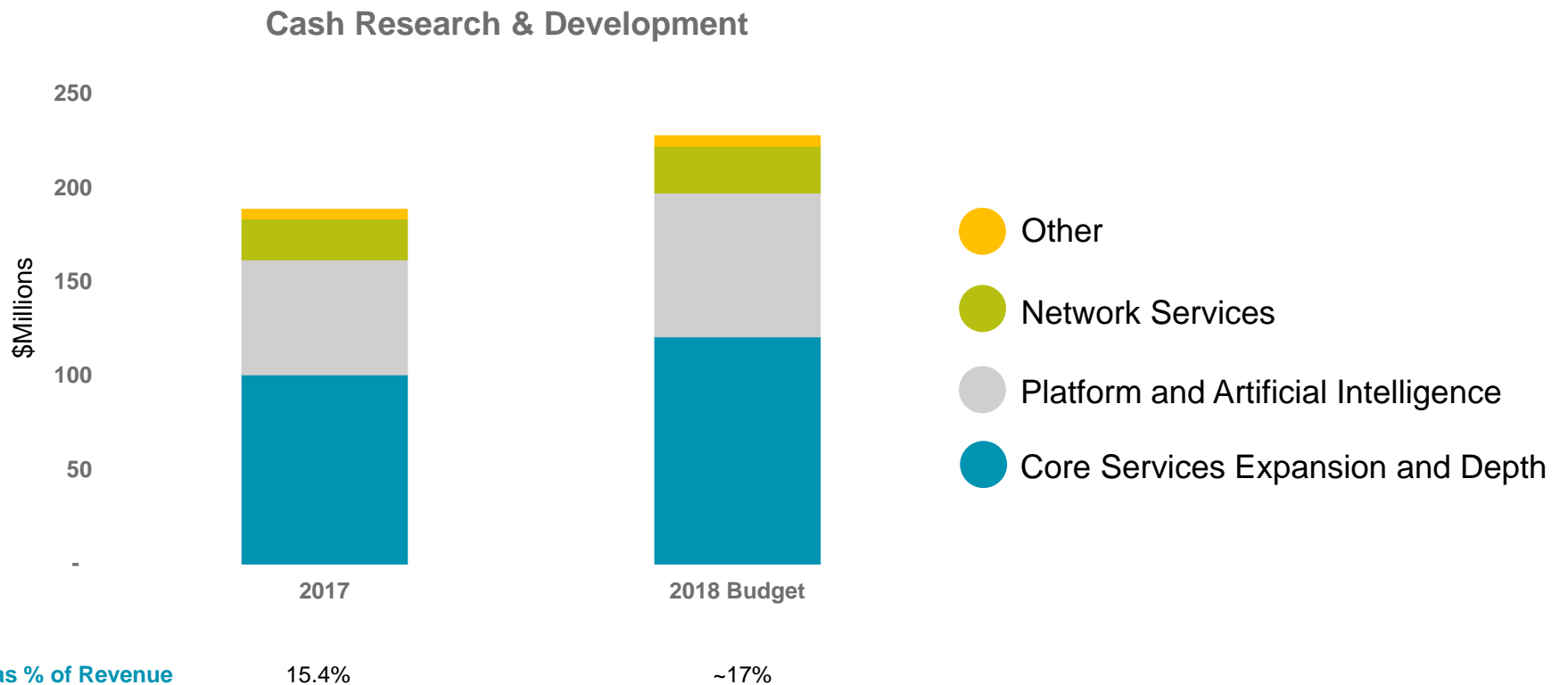
Continuously identify and generate **operating efficiencies** across the business

Focus and flawlessly **deliver the select strategic initiatives**



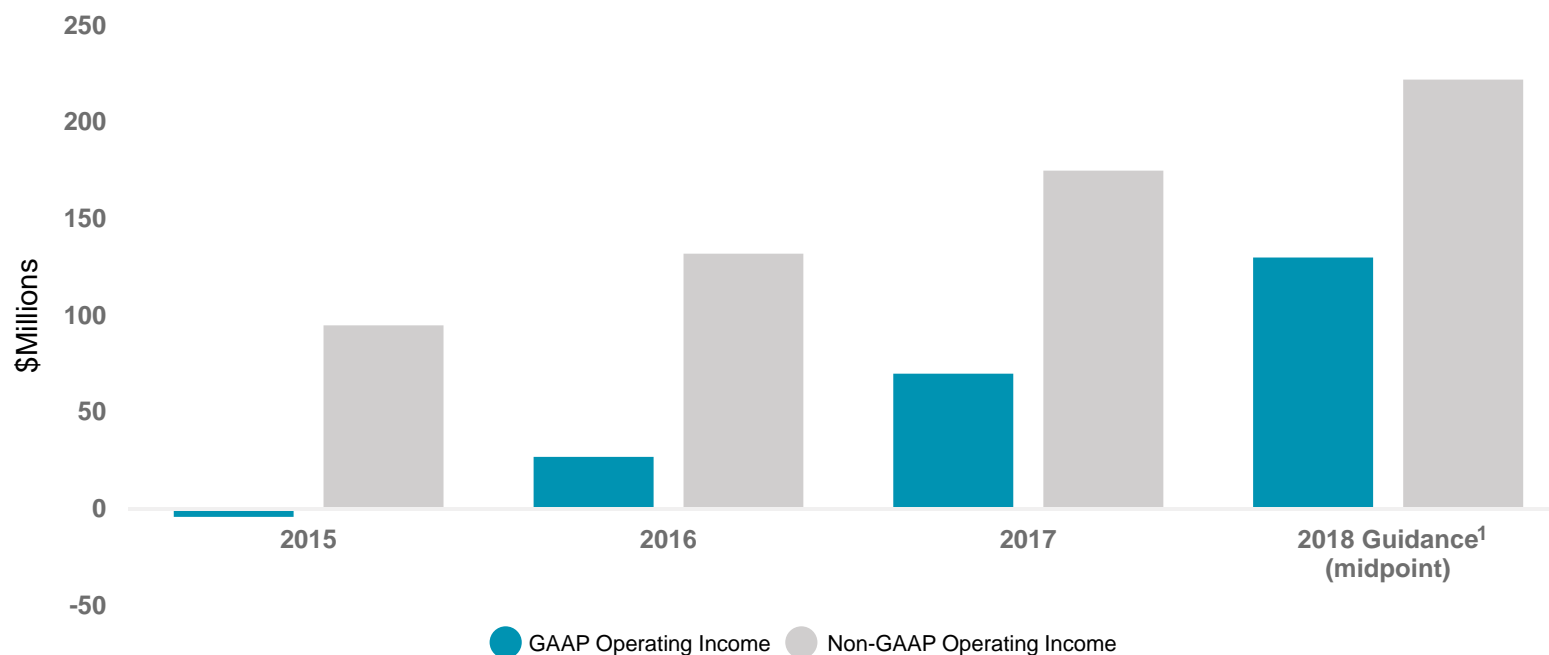
Carefully select investments with: **high return and high growth contributions**

We plan to increase investment in Research & Development to support our near term product and technology initiatives



Note: These estimates reflect our current operating plan as of February 15, 2018, and are subject to change as future events and opportunities arise. Furthermore, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.

Despite increased investment in Research & Development, we expect profitability to improve significantly in fiscal year 2018

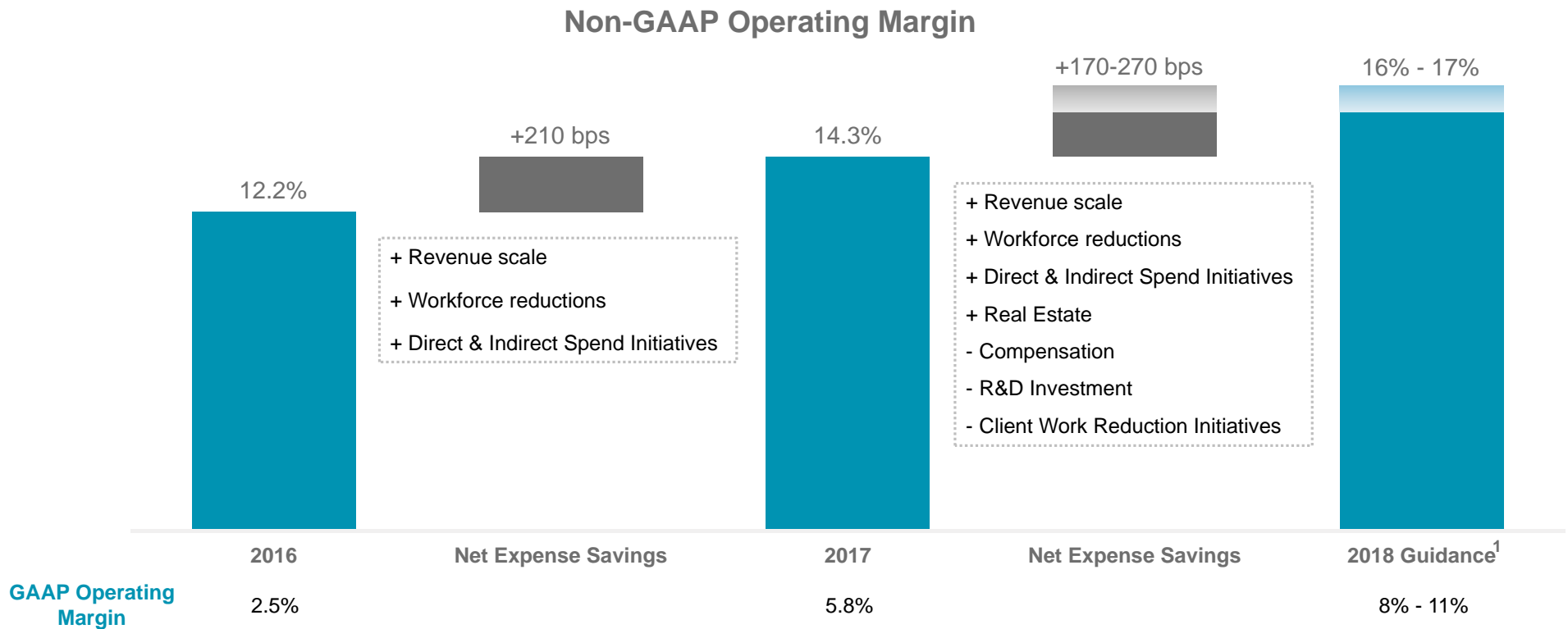


GAAP Operating Margin	(0.4%)	2.5%	5.8%	8% - 11%
Non-GAAP Operating Margin	10.3%	12.2%	14.3%	16% - 17%

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¹ See non-GAAP reconciliation tables included in the appendix to this presentation as well as in the 2/14/18 press release.

We will expand operating leverage through a combination of revenue scale and net expense savings



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¹ See non-GAAP reconciliation tables included in the appendix to this presentation as well as in the 2/14/18 press release.

Our fiscal year 2018 growth and profitability expectations...

Fiscal Year 2018 Expectations

Financial Measures

GAAP Revenue	\$1,310 million - \$1,380 million
GAAP Operating Income	\$108 million - \$152 million
<i>GAAP Operating Margin</i>	<i>8% - 11%</i>
Non-GAAP Operating Income ¹	\$210 million - \$235 million
<i>Non-GAAP Operating Margin¹</i>	<i>16% - 17%</i>

Note: These estimates reflect our current operating plan as of February 15, 2018, and are subject to change as future events and opportunities arise. Furthermore, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.

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Expected Impact of the Adoption of ASC 606 on our results



Revenue

- Seasonality may change as revenue will be dependent on claims to be submitted vs. collections
- Upon adoption, elimination of deferred revenue will not have a significant impact
- No new “upfront” revenue that certain software and hosted software companies may have



Operating Income

- Defer certain commissions costs for 12 years
- Defer certain professional services set-up costs (pre-go-live) for 12 years



Balance Sheet

- Increased capitalized long-term assets for deferred commissions & professional services set-up costs
- Decreased deferred revenue for non-refundable up-front fees previously deferred for 12 years

Expected Impact of Tax Reform on our results



Non-GAAP Tax Rate

- 2017: **40%**
- Expected for 2018: **25%**



As primarily a domestic company, many of the major impacts of the tax reform will not significantly impact us



Our Tax Provision & Cash Taxes Paid

- We have historically paid a nominal amount of taxes
- Due to our cost reduction initiatives – outside of the impact of this reform – we will begin to pay a higher level of cash taxes
- We estimate 2018 cash taxes of **~\$5M - \$10M**

Key Takeaways

- ✔ Plan to strike an optimal balance between **revenue growth, operating income, and free cash flow**
- ✔ Committed to executing with **greater discipline, clarity, and consistency**
- ✔ Well positioned to drive **long-term profitable growth and enhance shareholder value**

Presentation Break

Technology & Platform Strategy



Prakash Khot
Chief Technology Officer



The promise of the platform

WE ARE COMMITTED TO:

Opening up the network

Multiplying its intelligence

Freeing people to do what matters

IN THE PURSUIT OF DELIVERING A PLATFORM FOR HEALTHCARE THAT IS:

Fast, scalable, cost efficient, resilient, collaborative, and infinite in possibilities.



105,844,599

Patients since 2000



124,438,549

Patient visits in 2017



9,951,931,138

Interface transactions in 2017



175,388,270

Clinical orders processed in 2017



91,872,238

Prescription orders processed in 2017



34,357,288

Lab result orders processed in 2017



1,452,196

Epocrates unique users in 2017



90%

Document classifications performed with machine learning in 2017











190%

Increase in “ready for release” features since March 2017

**2017 was – by the numbers
– athenaNet’s best year ever**

**but from a technology and platform
perspective, that’s not the whole story.**

The healthcare internet vision demands the availability of intelligent and networked enabled services

	PRE-VISIT		VISIT		POST-VISIT		ON-GOING	
OUR PROJECT	Provider and Practice Enrollment	Acquisition and Scheduling	Registration and Check-in	Intake and Exam	Ordering and Referring	Claims and Payments	Care Coordination	Automation and Insight
The healthcare internet vision	 for doctors	 OpenTable [®] for healthcare	 for appointments	 for patients	 for referrals	 for claims	 for care teams	 for care delivery
CURRENT STATE	Faxes and forms	Phone tag and appointment requests	Clipboards and photocopies	Documents and Templates	Business cards and print outs	Batches and errors	Letters and scans	BPOs and reports

Despite athenaNet's success, our applications are still only *semi-automatic*

Our outstanding year required the support of:

4,238+

Engineers, product managers, customer
success and operations athenistas

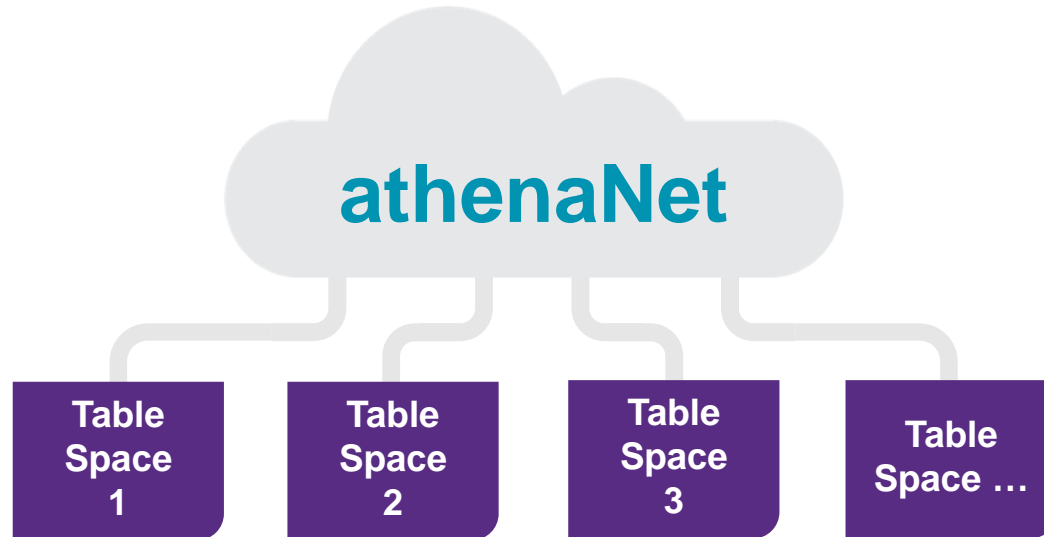
4,438+

Business Process Office workers

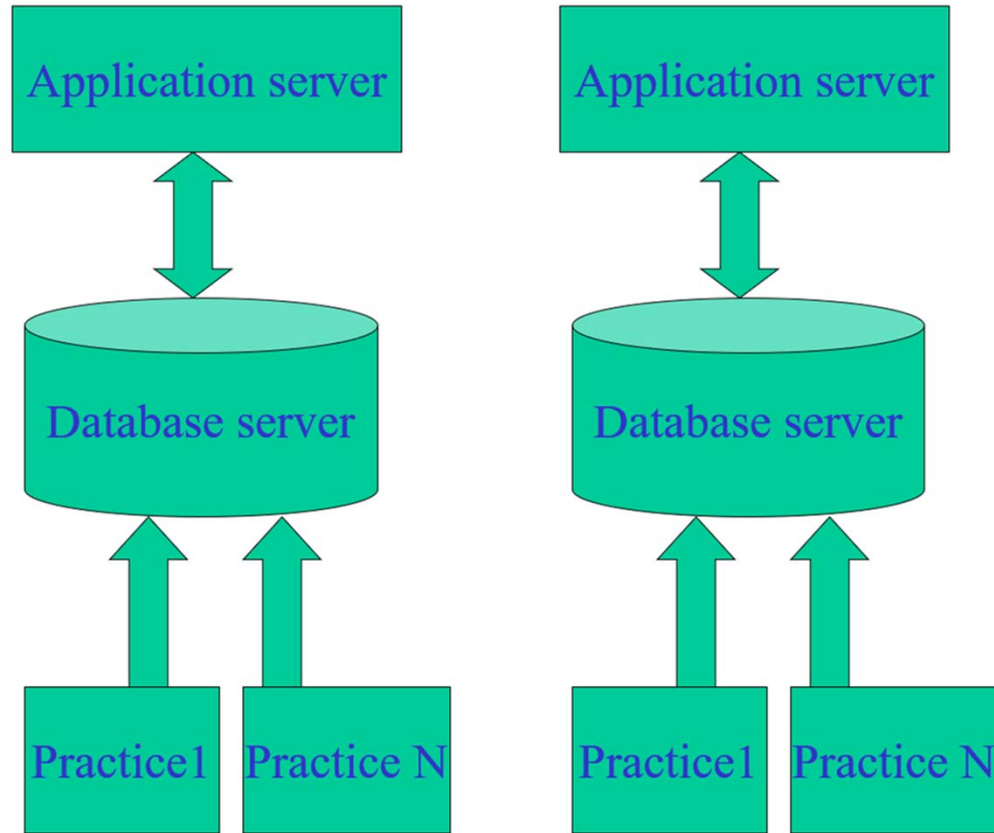
endless

Efforts for transparency

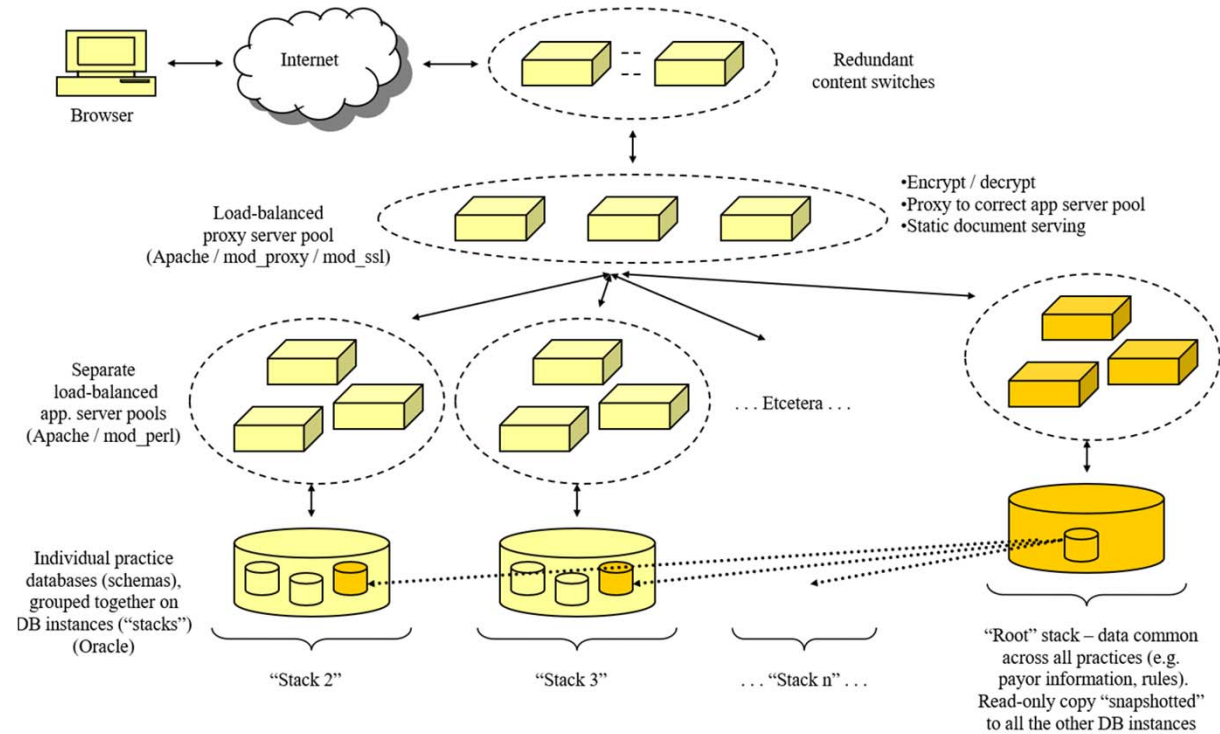
Modern systems demand distributed data models that can support growing network effects



athenaNet
2004



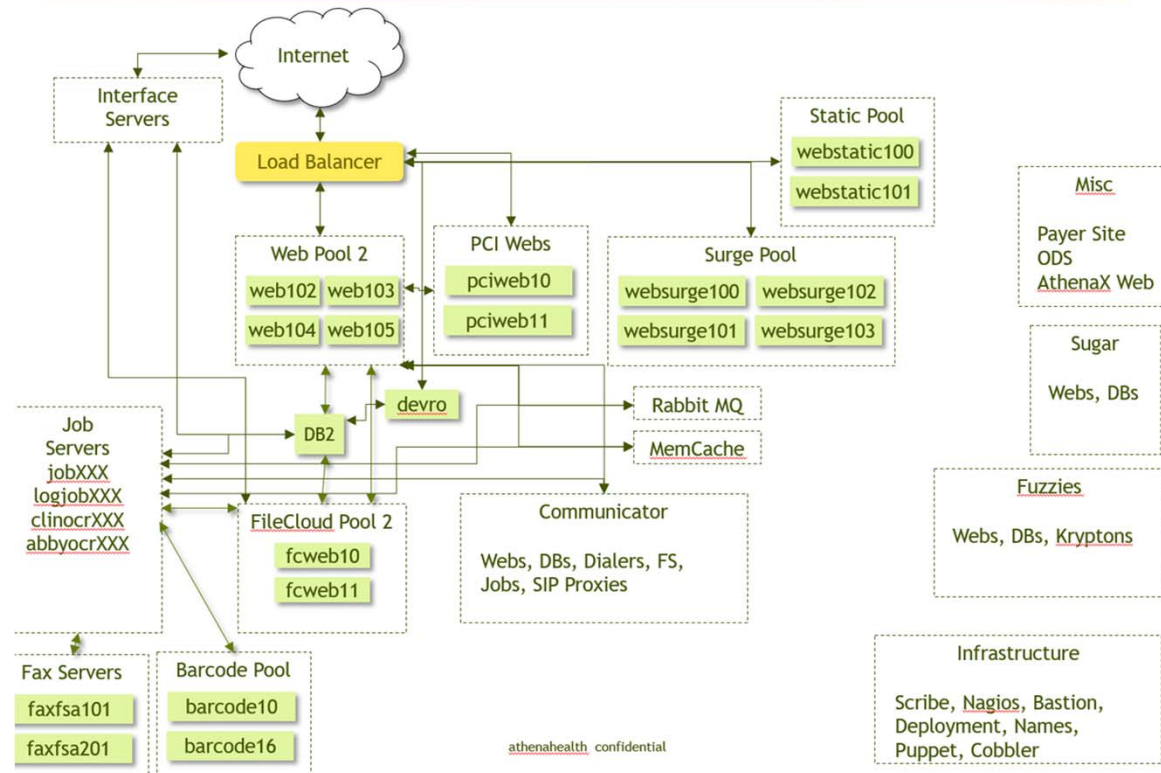
athenaNet 2005



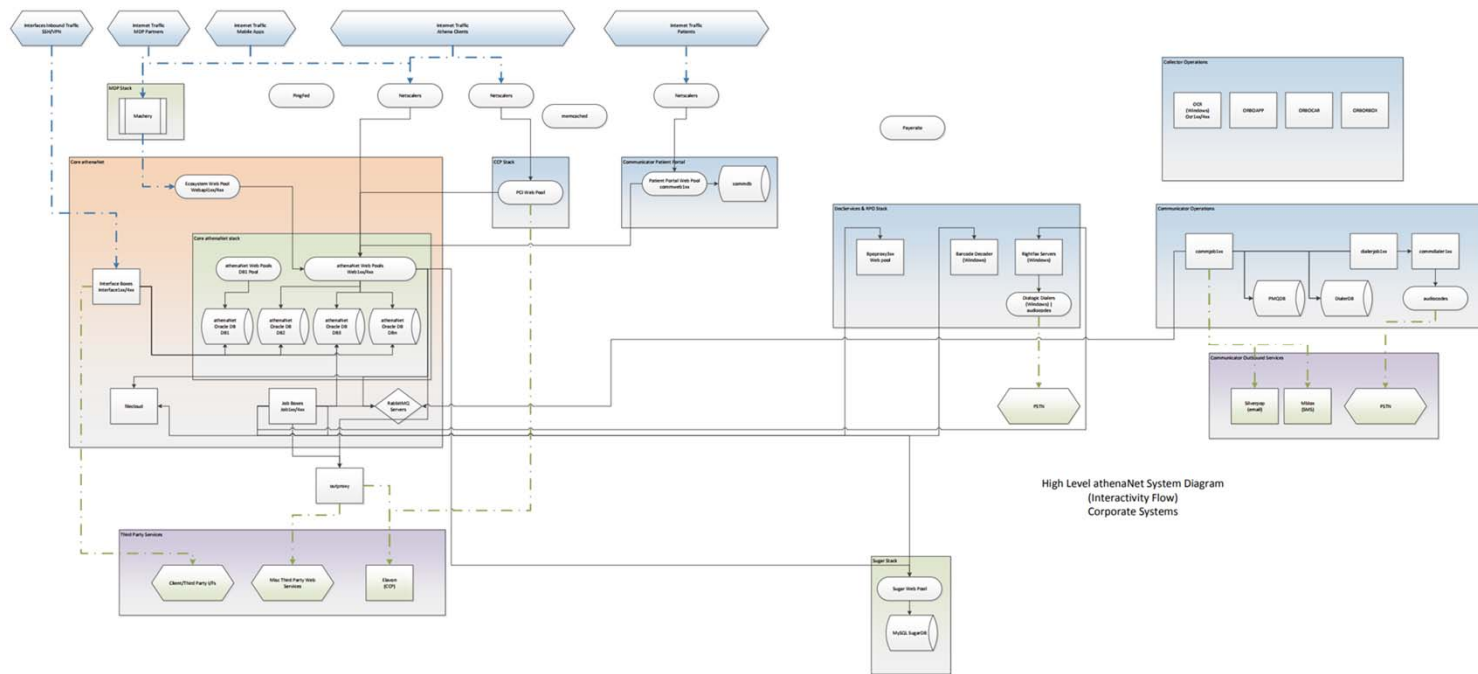
athenaNet 2013



athenaNet Systems Architecture Including Edge Systems



athenaNet 2015



High Level athenaNet System Diagram
(Interactivity Flow)
Corporate Systems

The image features a dense, intricate network diagram composed of numerous small, light-blue rectangular nodes connected by a complex web of thin, grey lines. The nodes are arranged in a somewhat grid-like pattern but with significant irregularities and overlapping connections, suggesting a highly interconnected system. A prominent, thicker black line structure is overlaid on the network, forming a series of interconnected rectangular frames that define larger sections of the overall layout. In the upper-left corner, there is a solid purple rectangular box with rounded corners. Inside this box, the text 'athenaNet' is written in a white, lowercase, sans-serif font, and below it, the word 'TODAY' is written in a larger, bold, white, uppercase, sans-serif font.

athenaNet
TODAY

We launched a transformation last year that we've already made great progress against

1

Migrate to microservices architecture

2

Adopt mobile and social, purpose-built apps

3

Adopt a progressive Agile culture and process

4

Complement private cloud with public cloud

5

Adoption of open source technologies to build new capabilities

6

Enable developers to adopt choice of programming languages and frameworks

7

Test-driven development

8

Adopt a container-based deployment architecture

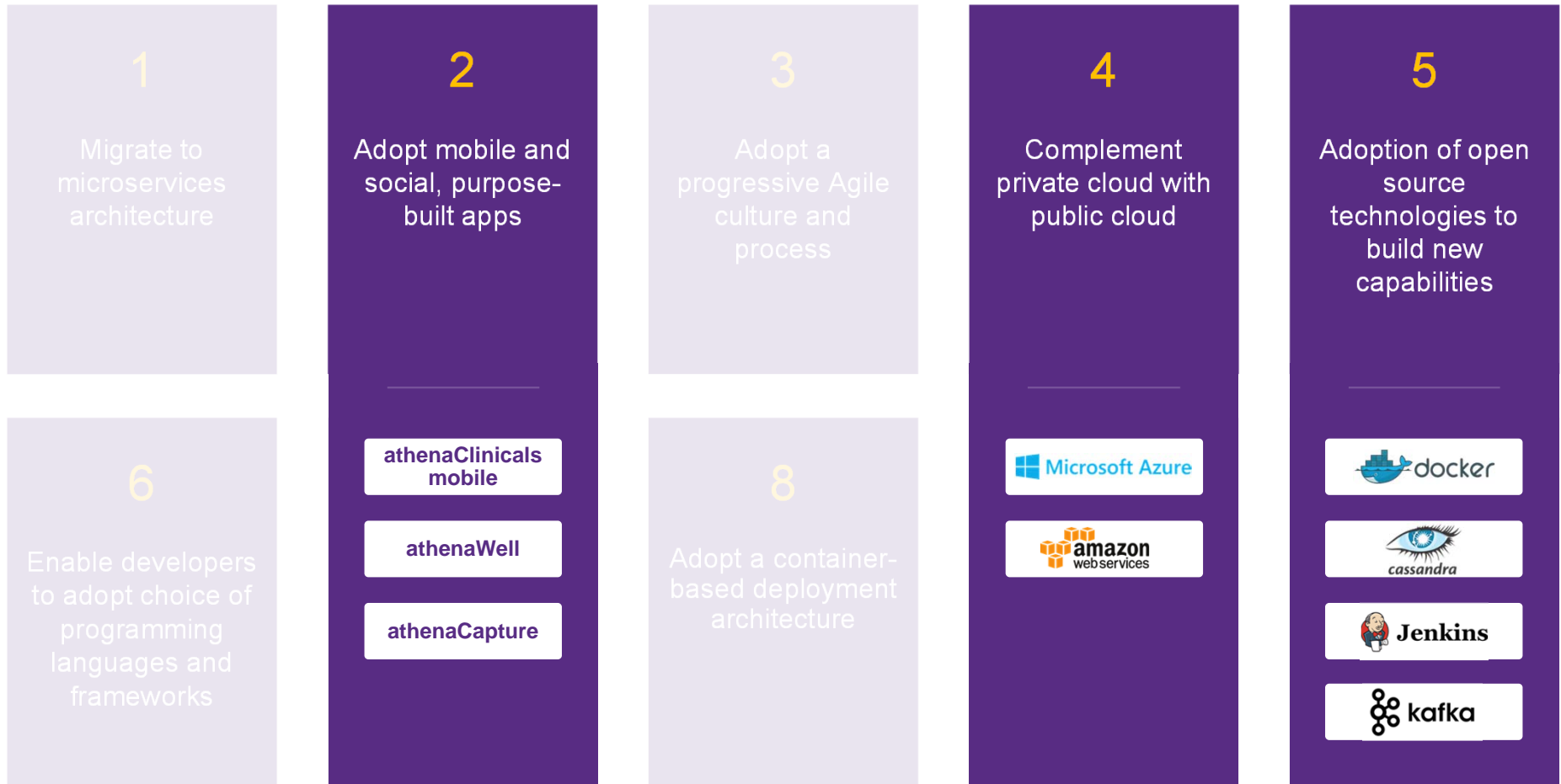
9

Evolve towards a true bottoms-up product and R&D culture

10

Sustained investment in platform

We launched a transformation last year that we've already made great progress against



Continuously re-platforming athenaNet remains a paramount initiative

“Serengeti”
platform division
is functional and
fully staffed

Established a well
understood
Platform definition

**Established and
executed on a
transformational
strategy**

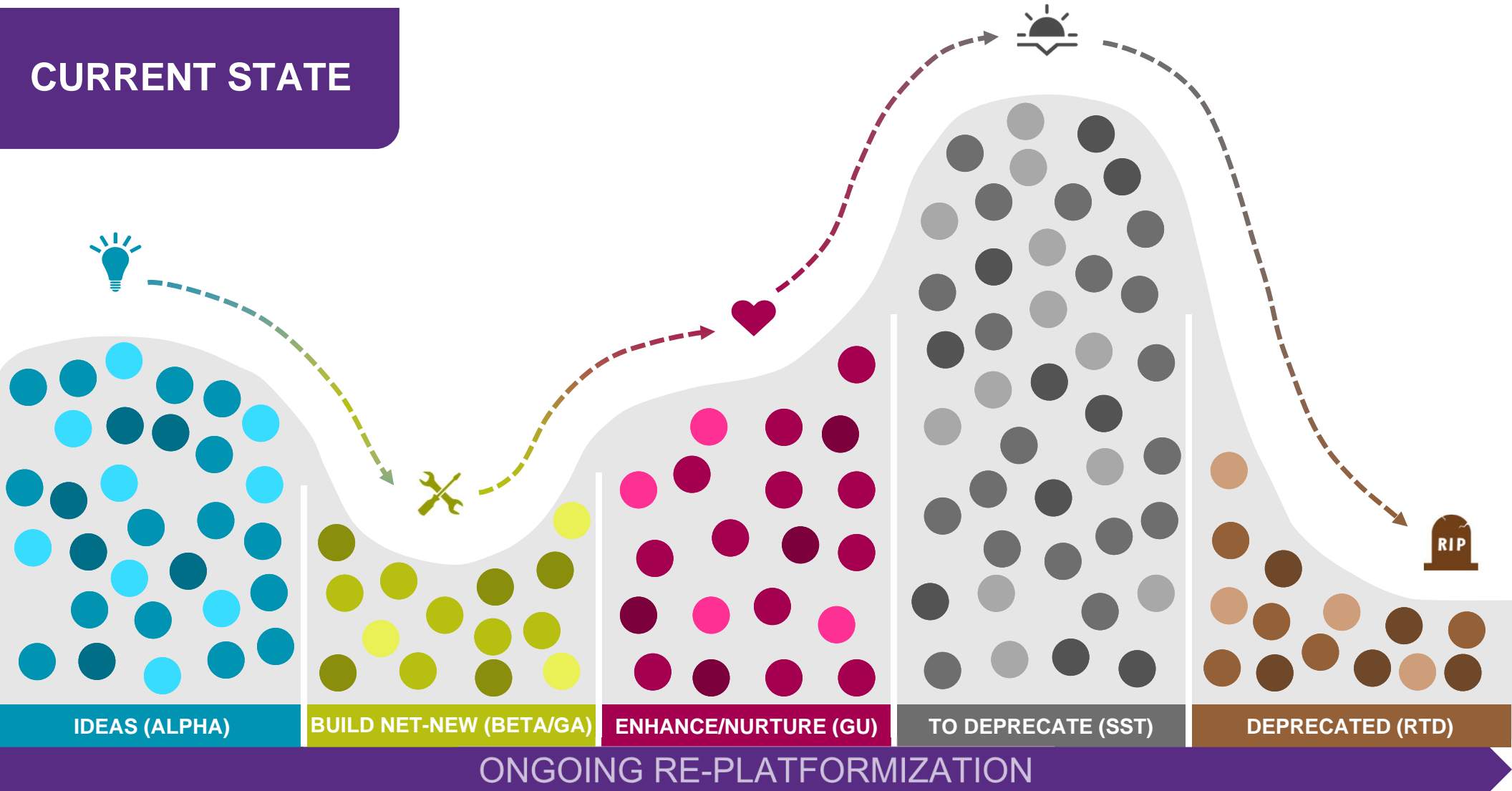
Bootstrapped and
built several
foundational and
domain
microservices

The first 10
microservices will
see daylight and
significant
adoption during
2018

2017

2018

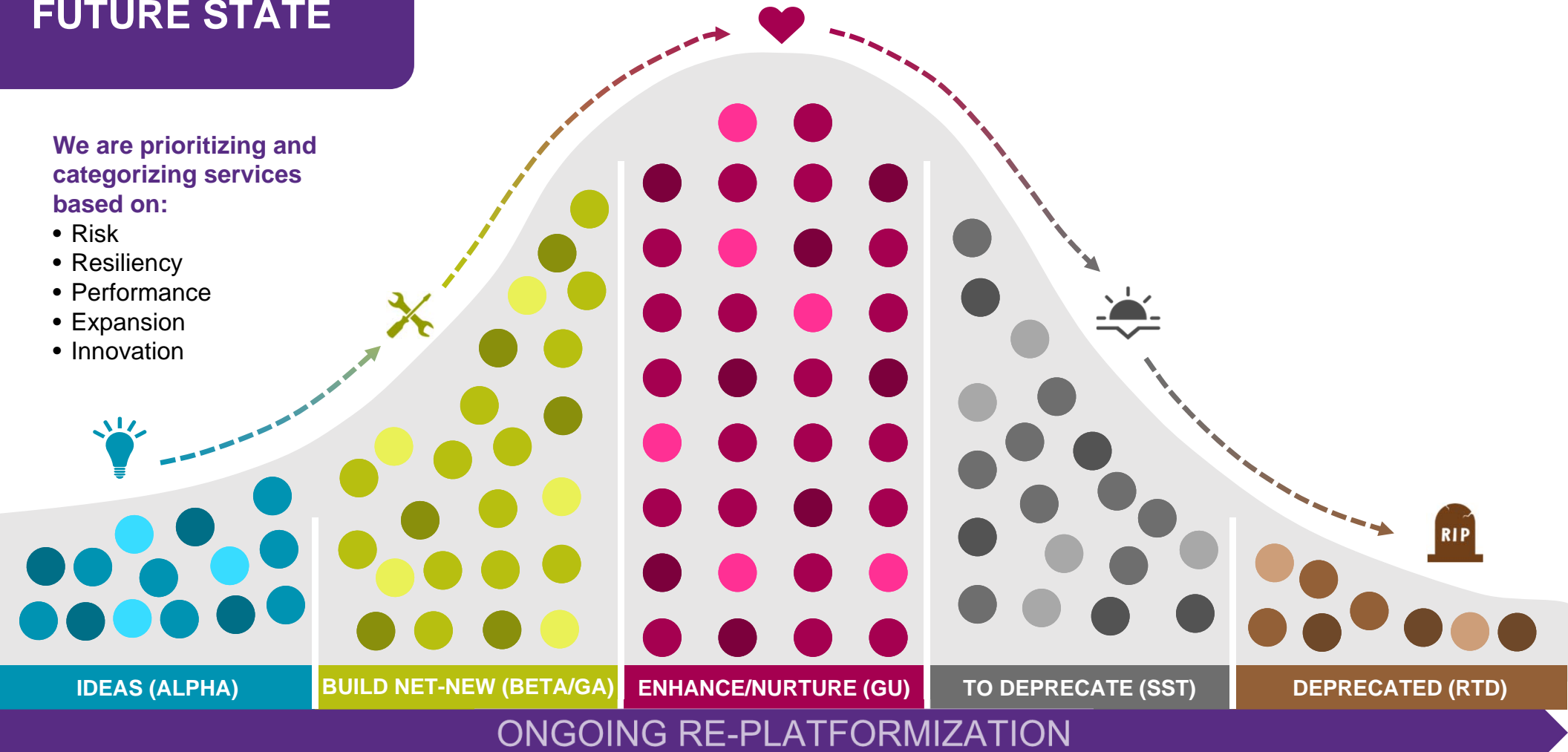
CURRENT STATE



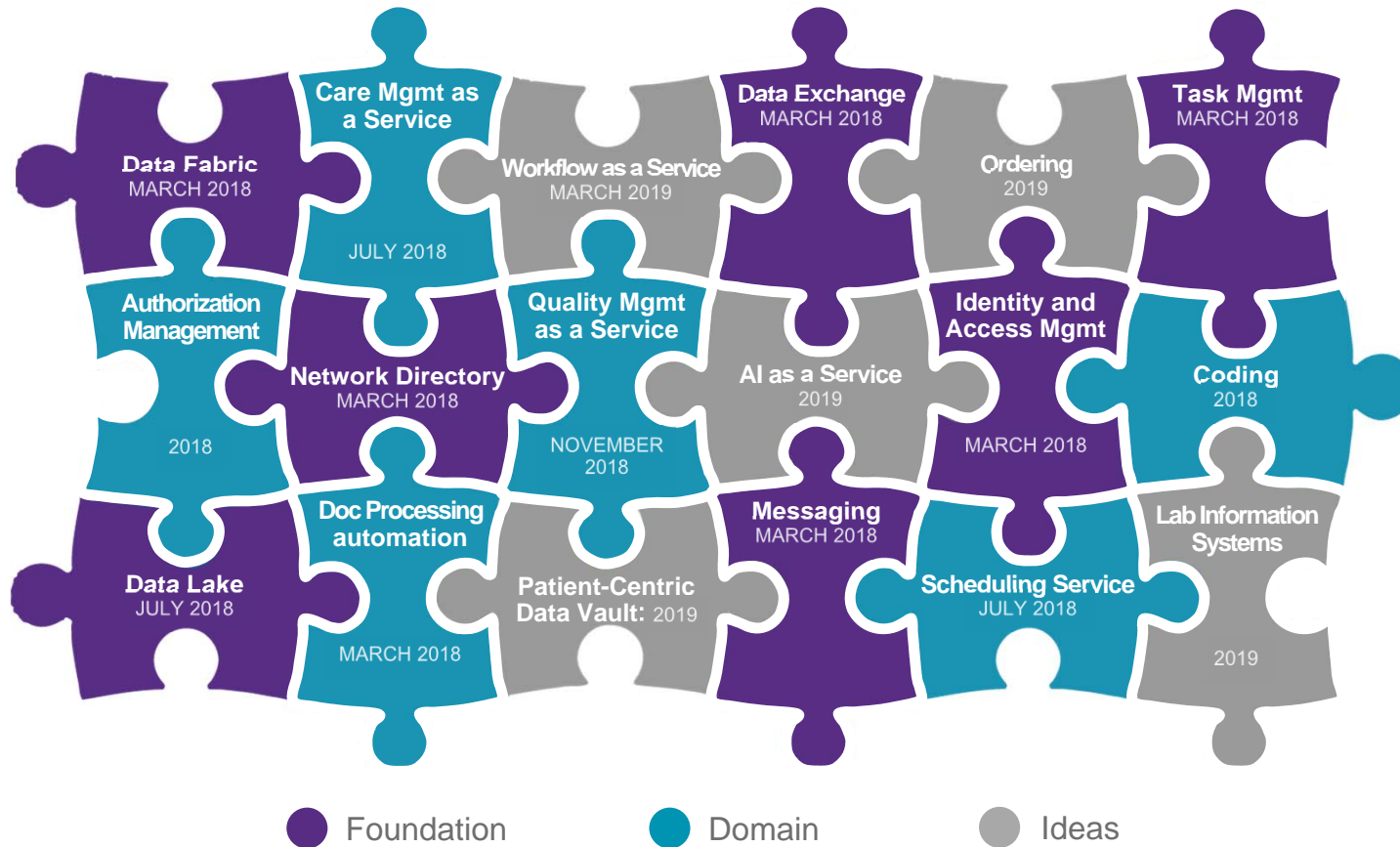
FUTURE STATE

We are prioritizing and categorizing services based on:

- Risk
- Resiliency
- Performance
- Expansion
- Innovation



We already have a diverse portfolio of microservices planned for 2018 and beyond

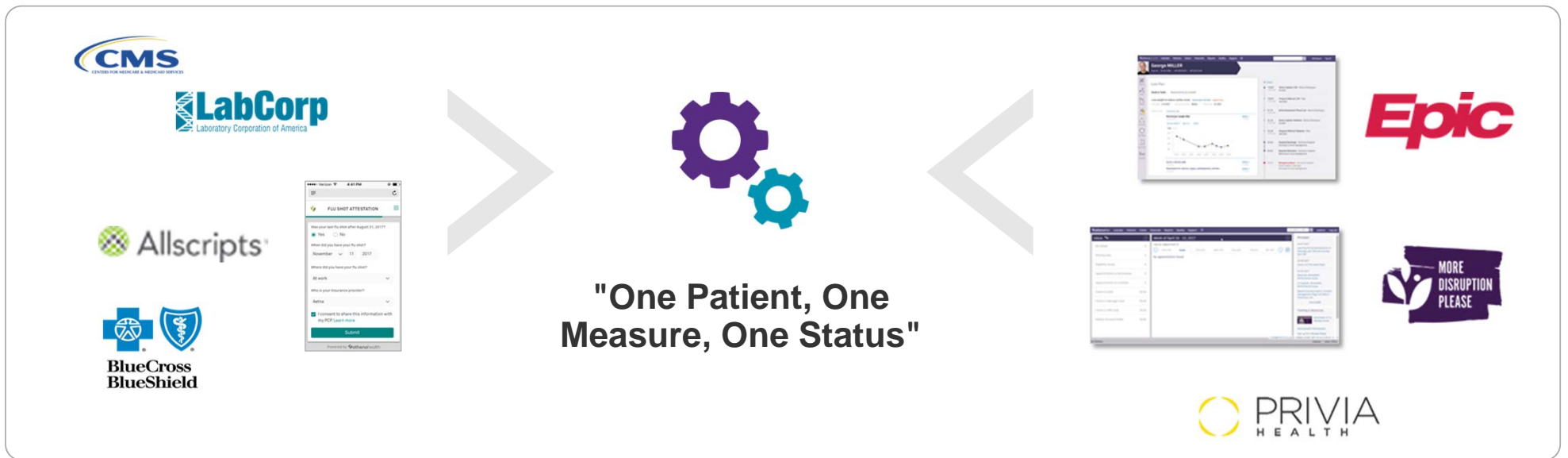


We are dramatically boosting R&D efficiency as we develop across the platform

QUALITY MANAGEMENT AS A SERVICE

7x
greater efficiency
in R&D

60+%
reduction in
people cost



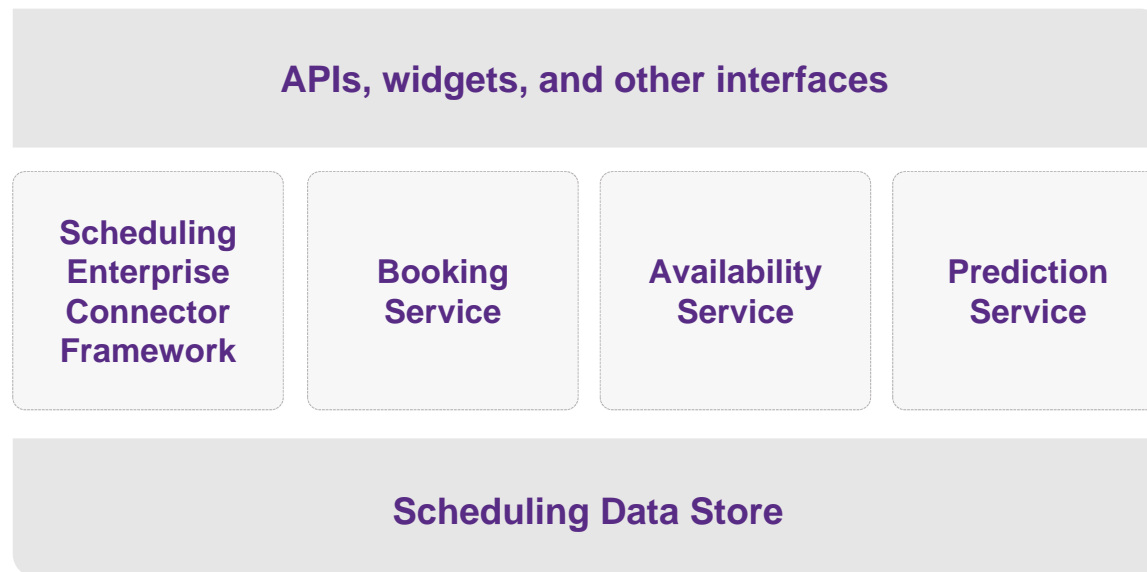
We are generating true network effect in our services built on top of our provider and patient networks

SCHEDULING SERVICE

athenaNet

External hospital system

External ambulatory system



We are using machine learning to take on work at scale, while delivering the most cost-effective and efficient services

AUTOMATED SERVICES

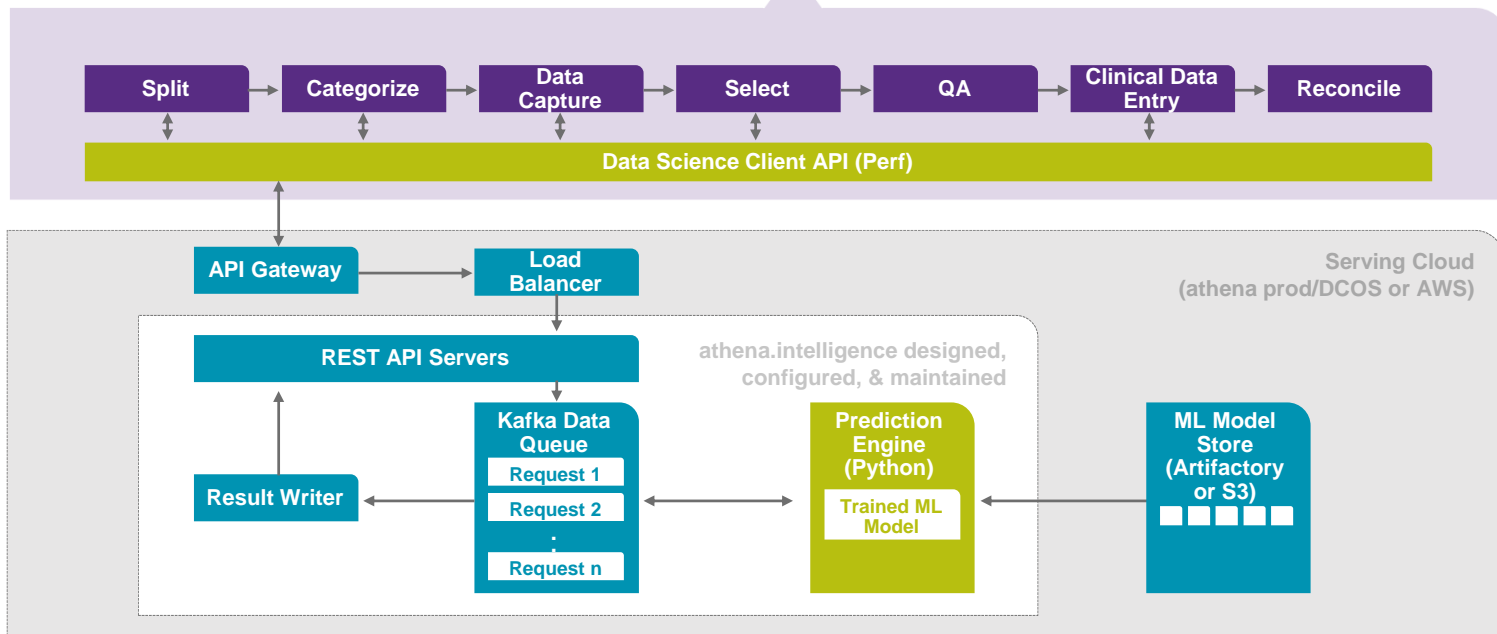
DOCUMENT SERVICES

INBOX

DISCHARGE SUMMARIES

CLAIM PROCESSING

POSTING



The platform will foster an architecture of collaboration



...which will enable the creation of the healthcare internet

	PRE-VISIT		VISIT		POST-VISIT		ON-GOING	
OUR PROJECT	Provider and Practice Enrollment	Acquisition and Scheduling	Registration and Check-in	Intake and Exam	Ordering and Referring	Claims and Payments	Care Coordination	Automation and Insight
The internet of Healthcare VISION	for doctors	for healthcare	for appointments	for patients	for referrals	for claims	for care teams	for care delivery
YEAR END 2018 STATE	2018 National Provider Directory	2018 National Calendar Service	Clipboards and Photocopies	Documents and Templates	2019 Orders as a Service	Batches and Errors	2018 300K+ Epocrates providers with access to coordination	2020 AI as a Service



The age of the platform

WE ARE COMMITTED TO:

**Opening up the
network**

**Multiplying its
intelligence**

**Freeing people to do
what matters**

IN THE PURSUIT OF DELIVERING A PLATFORM FOR HEALTHCARE THAT IS:

Fast, scalable, cost efficient, resilient, collaborative, and infinite in possibilities.

Core Services Strategy



Kyle Ambrester
Chief Product Officer

Core Services is focused on executing against our commitments and delivering results

Our purpose

unleashing our collective potential to transform healthcare

Our Commitments

Open the network

Multiply intelligence

Free people to do what matters

Our Fundamentals

People

Culture

Tech

Our Results

Revenue growth

Operating results

Managed risk

Open Up The Network

1

We are breaking down data silos and driving enhanced connectivity across health systems, while also doubling our hospital services footprint

Multiply Intelligence

2

We are increasing client market share using network insights

Free People To Do What Matters

3

We are doubling Value Per Visit by taking on significant additional work from clients' plates

Open Up The Network



We are breaking down data silos and driving enhanced connectivity across health systems, while also doubling our hospital services footprint

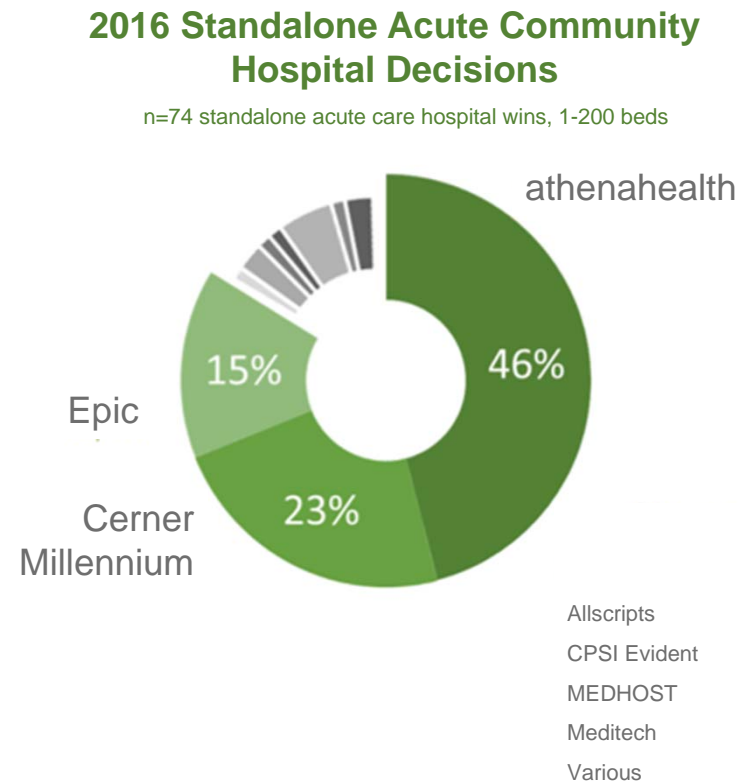
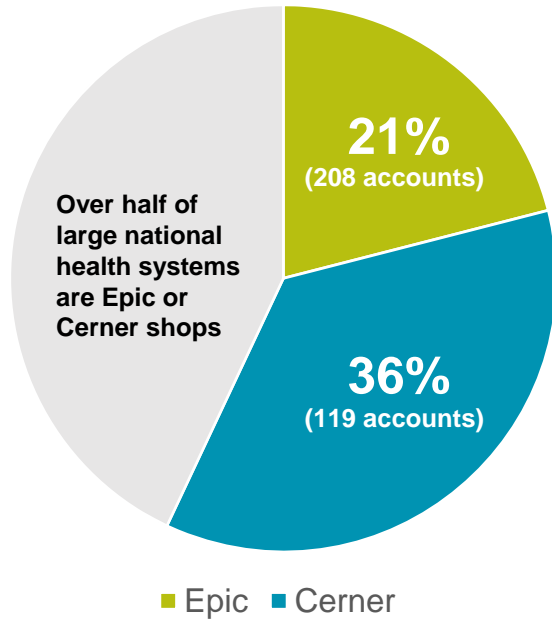
Network Depth

Extend native customers on the network

Network Expansion

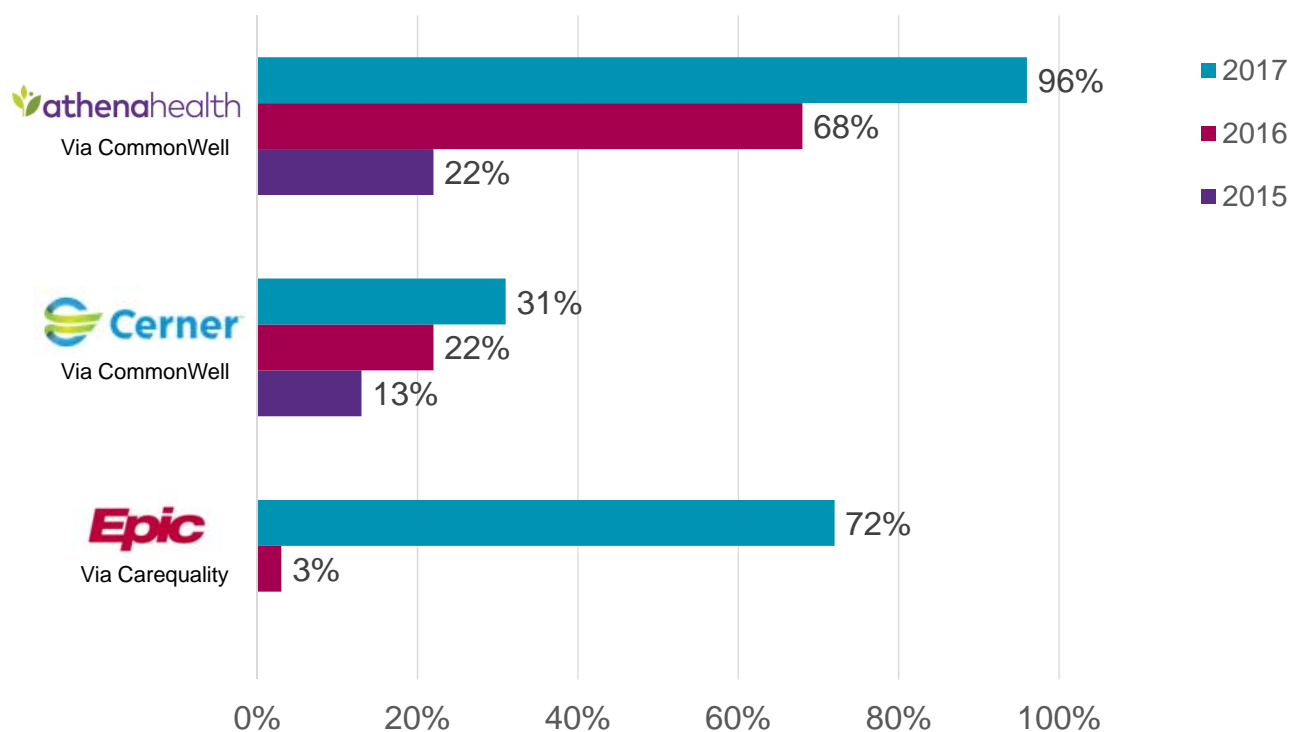
Make it easier to connect to the network

We are expanding across the continuum through both enhanced connectivity to legacy incumbents and full system displacement at the lower end of the market



We are expanding our interoperability coverage across the continuum

% sites accessible by Patient Record Sharing out of known sites eligible to be accessible by Patient Record Sharing



“ Our physician technology satisfaction scores have significantly increased since we implemented athenaClinicals, replacing NextGen and Cerner ambulatory EHRs. The transition to athenaClinicals was rapid and smooth, physician adoption has been strong, and the physicians are actively leveraging the integration between athenaClinicals and Cerner inpatient.”

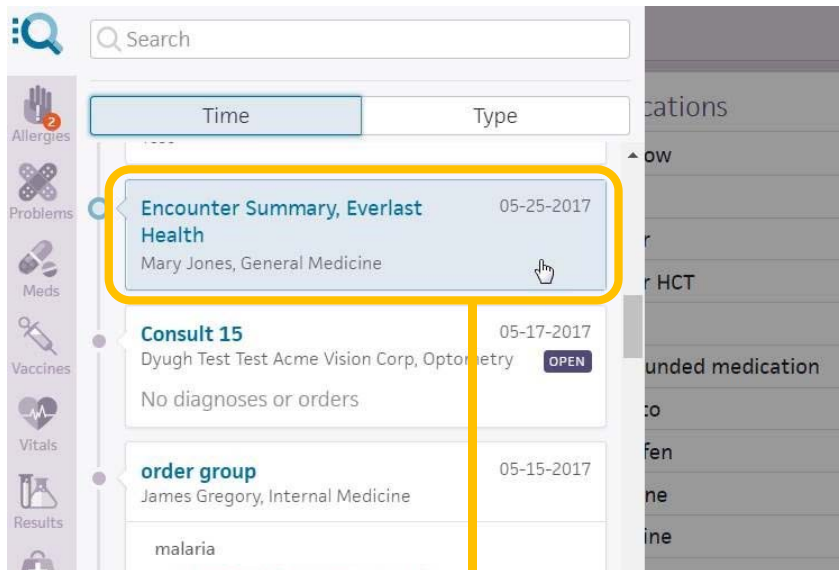
- Bryan Stiltz, SVP, Physician Enterprise, Adventist Health System

Note: 1) athena & Epic reported on organization level while Cerner is reported on a facility level; 2) Cerner numbers are self-reported; and 3) Cerner & Epic include ambulatory sites
*Epic 2017 numbers are from Jan 2018.

Interoperability expansion will enrich the network intelligence feeding into our clinical workflows both on desktop and mobile

Clinicals Timeline

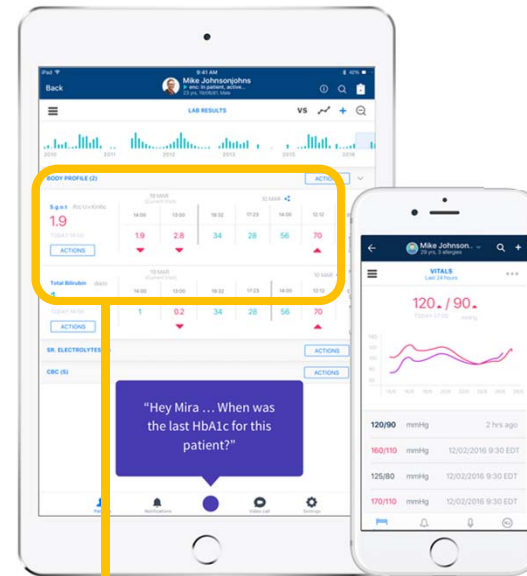
Intelligent navigation of patient information



Epic information via Carequality

Epocrates branded

Intelligent, virtual medical assistant



Cerner Information via mObjects, CCL, and CommonWell

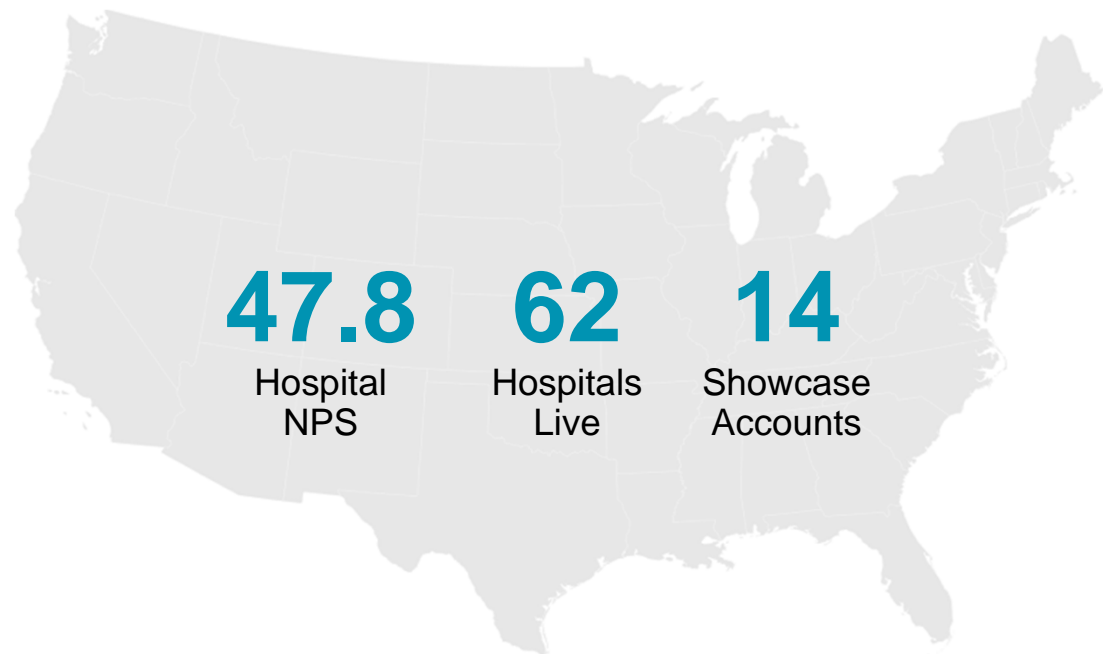


Reduces charting time by **30%**

Powered by **machine learning** and natural language processing

Single pane of glass between inpatient and outpatient

In 2017, we continued significant strides in our hospital segment and were recognized by KLAS as a category leader for 2018



“ Within just a few short months of going live on athena’s cloud platform, we exceeded our expectations with a **75 percent increase in cash collections over baseline**. For the first time ever, we’re fulfilling every single behavioral Meaningful Use measure and are on track to attest successfully in 2017.”

– Brad Huerta, CEO, Lost Rivers

“ When we first partnered with athena, our time in **accounts receivable was close to 100 days**—now, thanks to increased efficiencies in our revenue cycle, it’s down to 44.”

- Kimberly Dalrymple, CFO Cascade Medical Center

Our cash flow success is resonating in market - while our other key revenue cycle metrics show continued improvement and stability



	2016	2017	Change
Cash flow as a % baseline trend	103%	106%	3% increase
Discharged Not Final Billed (DNFB) Median	14.7 days	11.5 days	22% decline
Days Accounts Receivable (DAR) Median	59.0 days	54.7 days	8% reduction

Multiply Intelligence



We are increasing client market share using network insights

49% of provider executives said revamping the patient experience is one of their organization's top three priorities over the next five years. Many already have or are building the role of chief patient experience officer.

PwC Health Research Institute
Top health industry issues of 2018: A year for resilience amid uncertainty

Roughly **42 percent** of commercially insured Americans are enrolled in a HDHP with an annual deductible of \$1,300 or more.

Deloitte 2017 Survey of US Health System CEOs
Deloitte Center for Health Solutions



47%

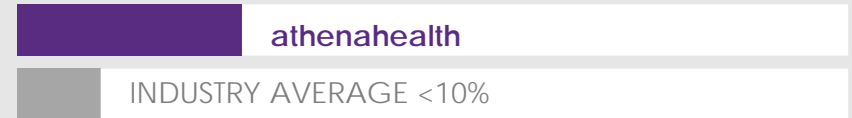
click thru rate on care gap outreach messages



13%
Flu vaccine outreach led to 13% care gap closure in just one month

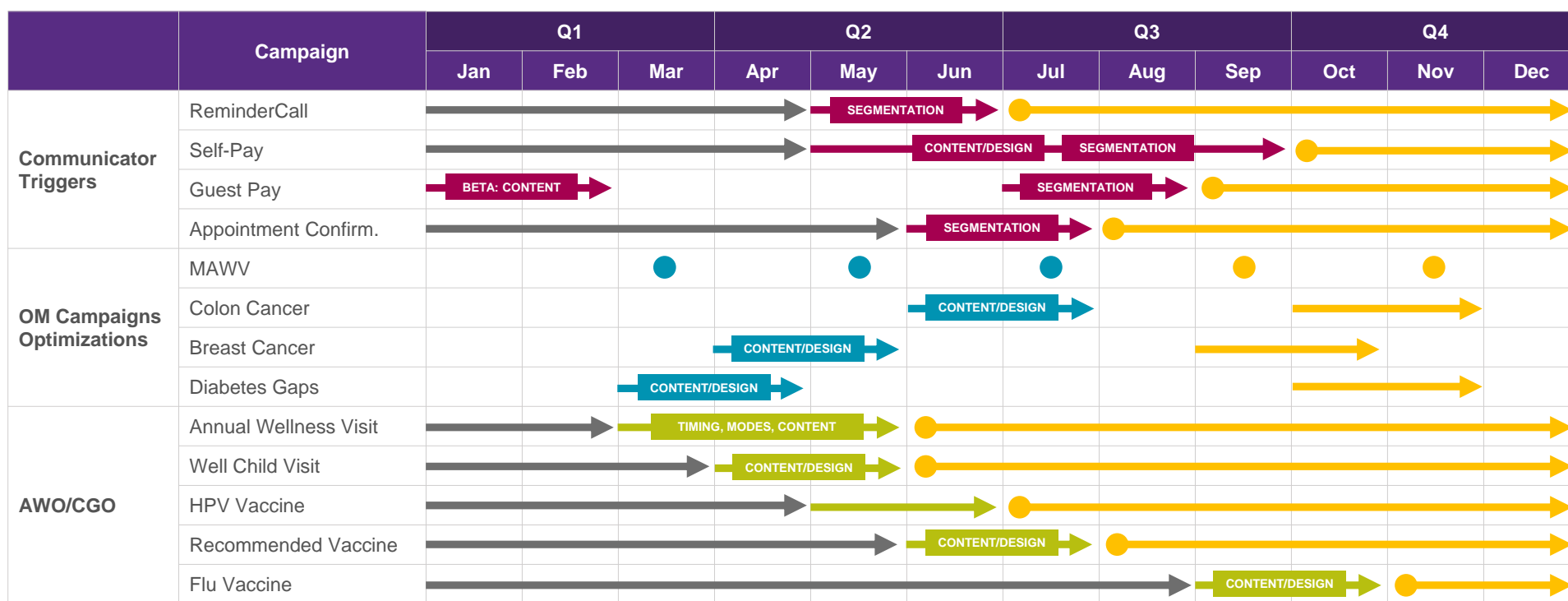
27%

scheduling rate for Medicare Annual Wellness Visit



\$46M
In incremental client revenue driven through Medicare Annual Wellness Outreach (~450k patient scheduled)

Through intelligence-driven outreach campaigns, we are taking on the work for providers to target and engage patients who should schedule a visit



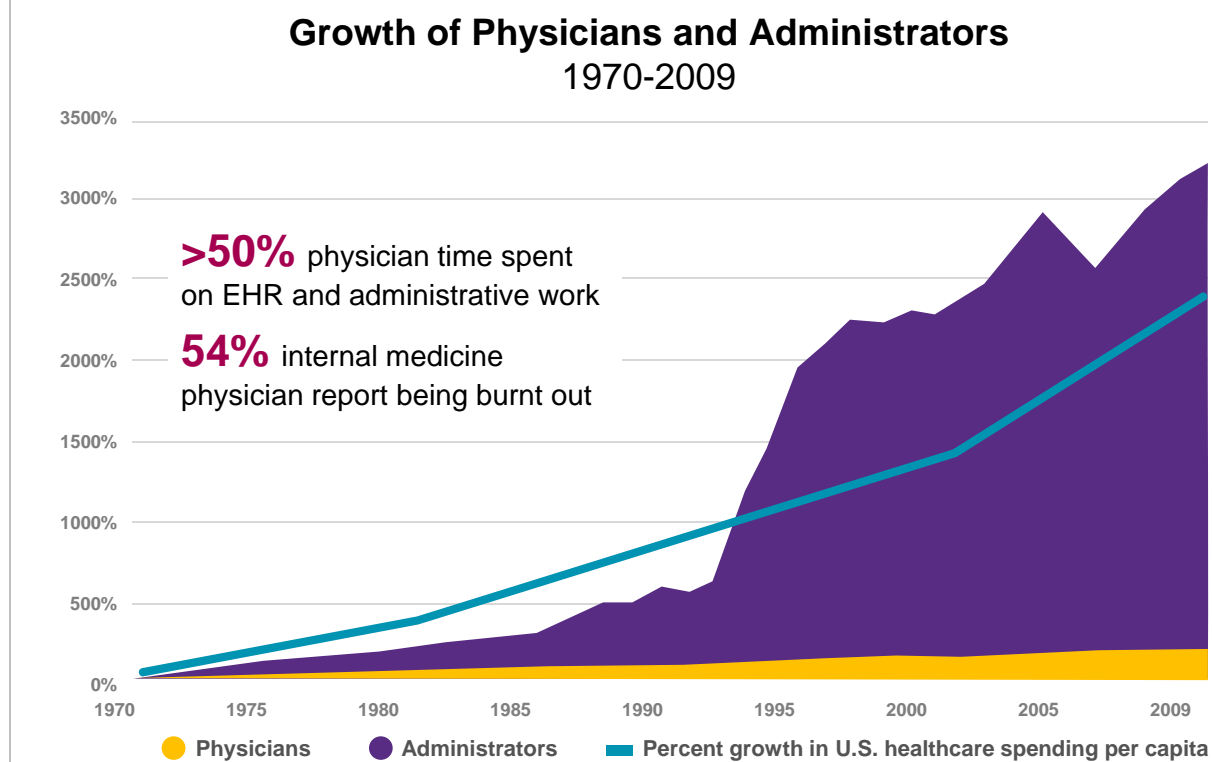
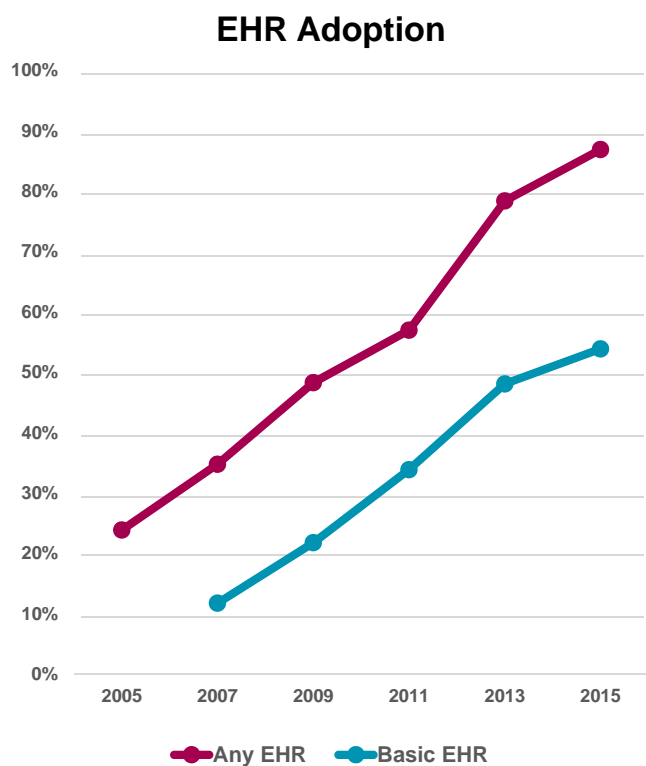
● Existing Ongoing Comm.
 ● Comm. Beta Group Experimental Testing
 ● Pop Health Clients Experimental Testing
 ● AWO Clients Experimental Testing
 ● GA

Free People To Do What Matters

3

We are doubling Value Per Visit by taking on significant additional work from clients' plates

While EHR adoption is at an all time high, so is provider burnout from increasing administrative burden and general system fatigue



Sources: <https://dashboard.healthit.gov/quickstats/pages/physician-ehr-adoption-trends.php>. AAMC, Medscape, Accenture and Merritt Hawkins

In response, we're focused on reducing work from providers, and completed foundational work in 2017 to measure and project the impact we can drive

Time Motion Study



23.5k

data points collected from initial study thus far to baseline time for users to complete common tasks

Workflow Heuristics



609

experience design opportunities identified from an audit of 55 workflows in athenaNet



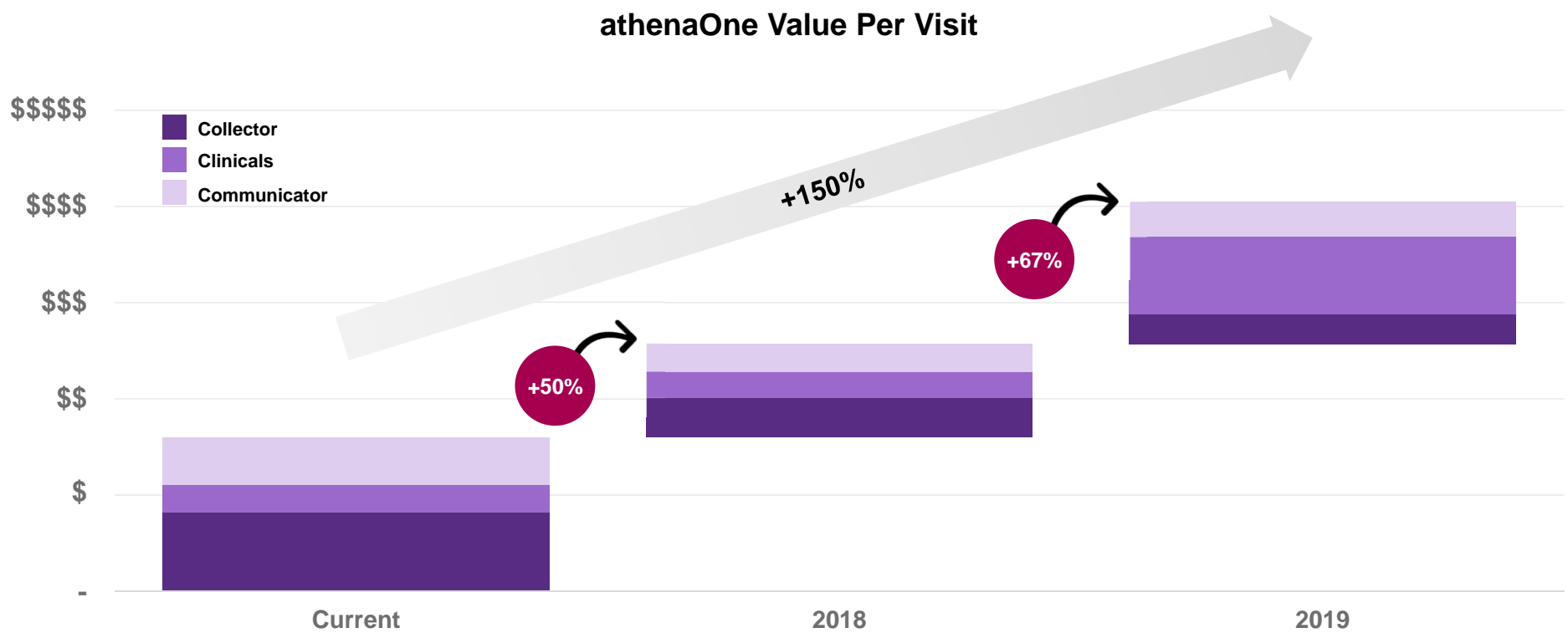
Path to Dramatic Value Expansion

2x

value per visit from our core services

Time on Task Simplicity and Efficiency

We have good line of sight on the investments we need to make to double value per visit over the next 2 years



We are driving work reduction through service depth and expansion, yielding an uptick to value per visit

Overpayments

Live across the base

- Causes ~40% of Posting cases each year
- **Reduces an average of 5 hours per provider per year**
- One initial Enterprise client was able to eliminate 11 FTE because of this shift

Coding-Related Denials

Live across base in Q1 2018

- We address these claims 6 days faster than our clients
- **Yields \$25 more revenue per resubmitted claim**
- Reduces an average of 2 hours per provider per year

Authorization Mgmt

Live and expanding in 2018

- ~70M authorizations per year, 7 mins per phone authorization
- Physicians loathe this work: "This is a godsend" - Lost Rivers
- **Contributes to athena's TCO by alleviating 0.5 FTE of client work per provider**

Launching for hospitals in 2018, further expanding in 2019

Coding Underway

- 44% of rural hospitals cited Coding as top tech issue impacting organizational revenue
- Takes current clients as long as 4 days
- Small community hospitals spend an average of \$65,000 per year on salary for a coder

In 2018, we are doubling the document services processing for our providers and staff at no additional cost to them, and at less cost to us



Our providers **receive 120M+** paper documents that come through fax, mail, and in-person visits



We've applied machine learning to document processing steps – seeing **automation rates up to 90%**



As a result, we've **driven down unit costs**, creating scaling capacity to take on 100% of documents for less spend

2017

110 hours saved per provider

3.2 minutes saved per visit

- Eliminated millions of hours of fax processing
- Dark launched machine learning to prove up to 90% automation rates on doc processing steps



EOY 2018

200 hours saved per provider

5.9 minutes saved per visit

- Will take on 100% of documents from clients, expanding to cover those generated inside a practice as well, doubling what we process today

We are removing the work to find, engage, and collect from patients

Patient Outreach and Scheduling

Current Value Per Visit: **\$0.49**
Expanded Value Per Visit: **\$1.74**

CHALLENGE

15% average care gap closure rate for call centers.

SOLUTION

Patient outreach services – optimization strategies are showing uptick in self-check in rates

Web scheduling – recent campaigns showed a 30% increase in web scheduled appointments, **saving an estimated 300 hours of staff time**

Patient HPI/ROS (History of Present Illness/Review of Systems)

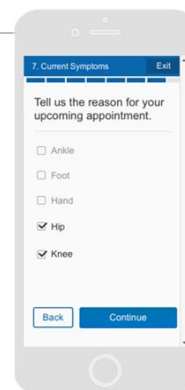
Current Value Per Visit: **\$0.50**
Expanded Value Per Visit: **\$1.50**

CHALLENGE

5 minutes of staff time spent documenting for ROS per patient.

SOLUTION

Digital check-in allows for electronic HPI/ROS documentation by the patient (alpha by end of 2018, live in early 2019)



Patient Pay Improvements

Current Value Per Visit: **\$0.89**
Expanded Value Per Visit: **\$1.29**

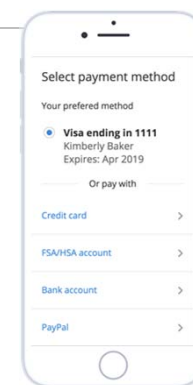
CHALLENGE

It costs healthcare organizations **\$2.41** in administrative costs to collect from a patient.

SOLUTION

Guest Pay (live in March 2018)

Self Service Payment Plans (alpha by end of 2018, live in early 2019)



We've pushed workflow simplifications that materially reduce staff time on task

Claim Action Workflow – live

4 pages & 9 steps → 1 page & 4 steps

Claim #607618 Primary Closed Secondary Hold Patient Closed

LEIDA AREND #48245 | 58yr F | 02/02/1959
1. MEDICARE-OK (MEDICARE) | #123456789
2. Medicaid-OK (Secondary to Medicare (Medicaid)) | #123456789

Adjust Balance 30/2017
Transfer Balance \$58.96
Appeal Denial DO
Update Codes
Add Kick Reason

Supervising Provider: Sierra Dance
Rendering Provider: Sierra Dance
Department: MAIN ST (HSE)

Hold Summary: Post-Bill

Expand all holds

Procedure	Units	Diagnoses	Charge	Primary Outstanding	Secondary Outstanding	Patient Outstanding
99213	1	J0190	\$96.00	\$0.00	\$58.96	\$0.00

• The provider or group is not licensed or credentialed to perform this procedure. This procedure may not be included in the provider's contract.
• The patient may not be eligible on this date of service.

Existing Attachments
There are no attachments on this claim.
Add new attachment.
Show claim notes

Claim #607618 Primary Closed Secondary Hold Patient Billed Update Codes

Grace Hill #48241 | 58yr F | 03/30/1958
1. MEDICARE B-OK (NOPTAS SOUTHONG - OHLAHOHA) | #4788313A
2. MEDICAD-OK (ONCA - HEWLETT RICHARD (SECONDARY TO TRADITIONAL MEDICARE)) | #00217282

Date of service: 01/30/2017
Outstanding balance: \$58.96
Total charge: \$96.00

Supervising Provider: Adachi Oryeljaka
Rendering Provider: Adachi Oryeljaka
Department: CCOM Main Office

Update Codes

Diagnosis Codes (ICD-10)

J0190 Acute sinusitis, unspecified

Procedure	Modifier(s)	Description	Units	Charge	Diagnosis (ICD-10)
99213		ESTABLISHED PATIENT OFFICE LEVEL 3/EPF HX6X SF MD	1	\$96.00	J0190 Acute sinusitis, unspecified

athenahealth will submit any additional resubmission information on your behalf.

Submit Claim Cancel

~50%
reduction
in time on task

Clinical Timeline with Patient Record Sharing - live

Search

Time Type

Encounter Summary, Everlast Health 05-25-2017
Mary Jones, General Medicine

Consult 15 05-17-2017
Dyugh Test Test Acme Vision Corp, Optometry OPEN

05-15-2017

Medications
HCT
Undoned medication
fen
ne
ine

"Saves me up to
30 mins
/ day"

Quickly scan patient history
Click into fewer documents

Open Up The Network

1

We are breaking down data silos and driving enhanced connectivity across health systems, while also doubling our hospital services footprint

Multiply Intelligence

2

We are increasing client market share using network insights

Free People To Do What Matters

3

We are doubling Value Per Visit by taking on significant additional work from clients' plates

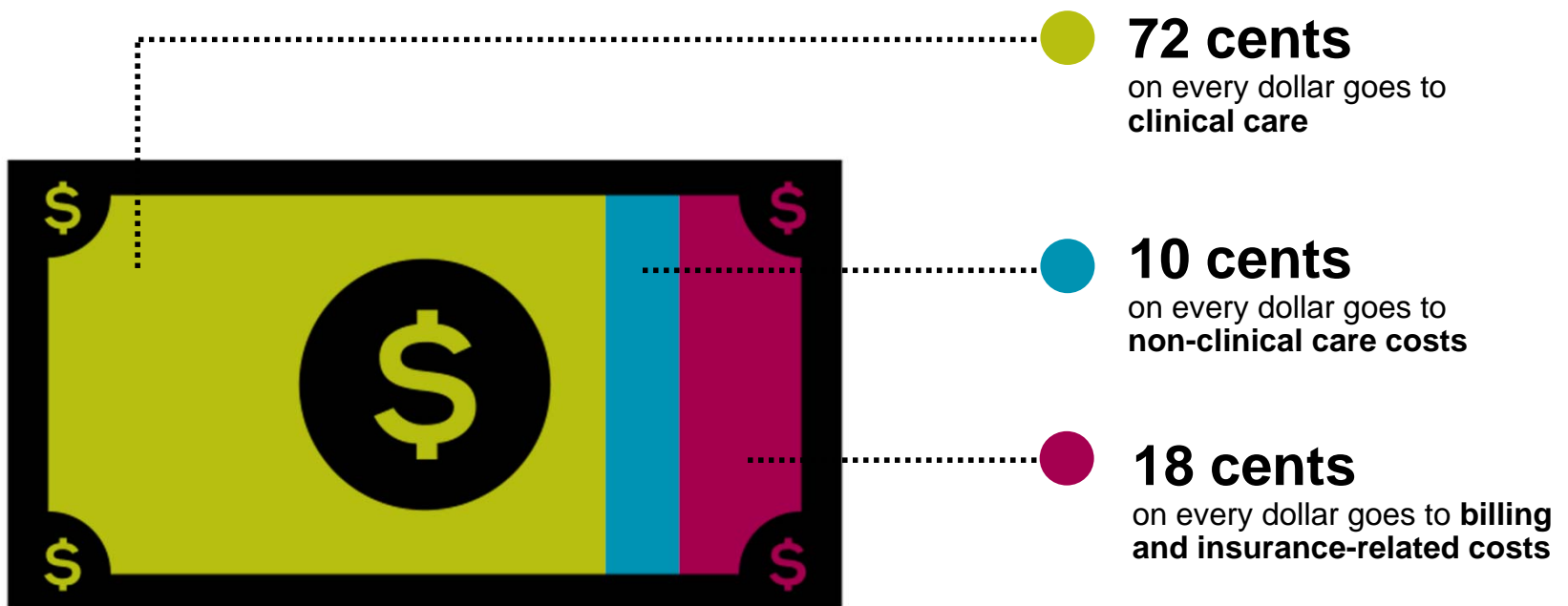
Network Services Strategy



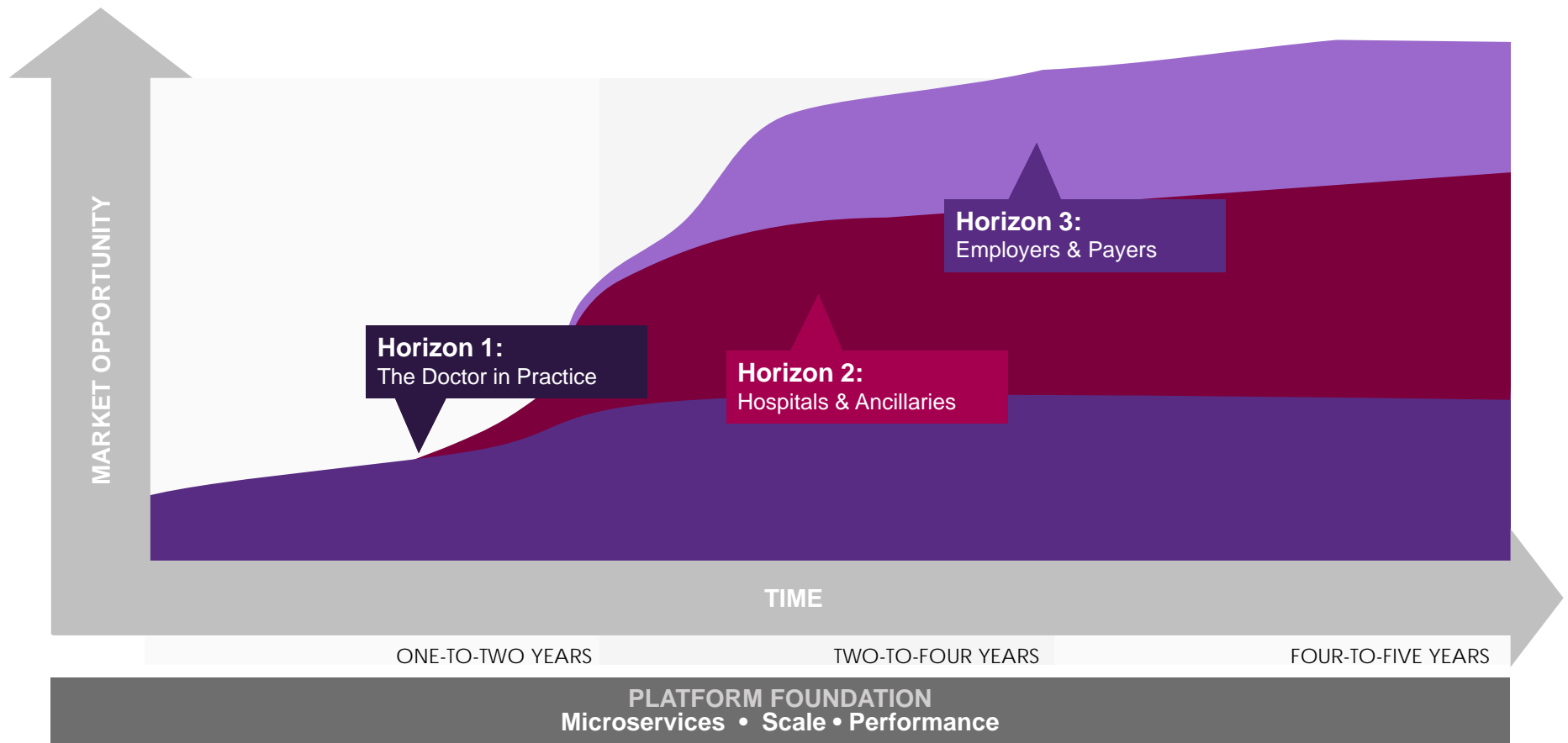
Jonathan Porter
SVP, Network Services

Solving the healthcare cost problem requires us to support both sides of the healthcare payment transaction

2016 U.S. Healthcare Expenditures: **\$3.3 trillion**



Our strategy is to leverage current network capabilities to open new horizons

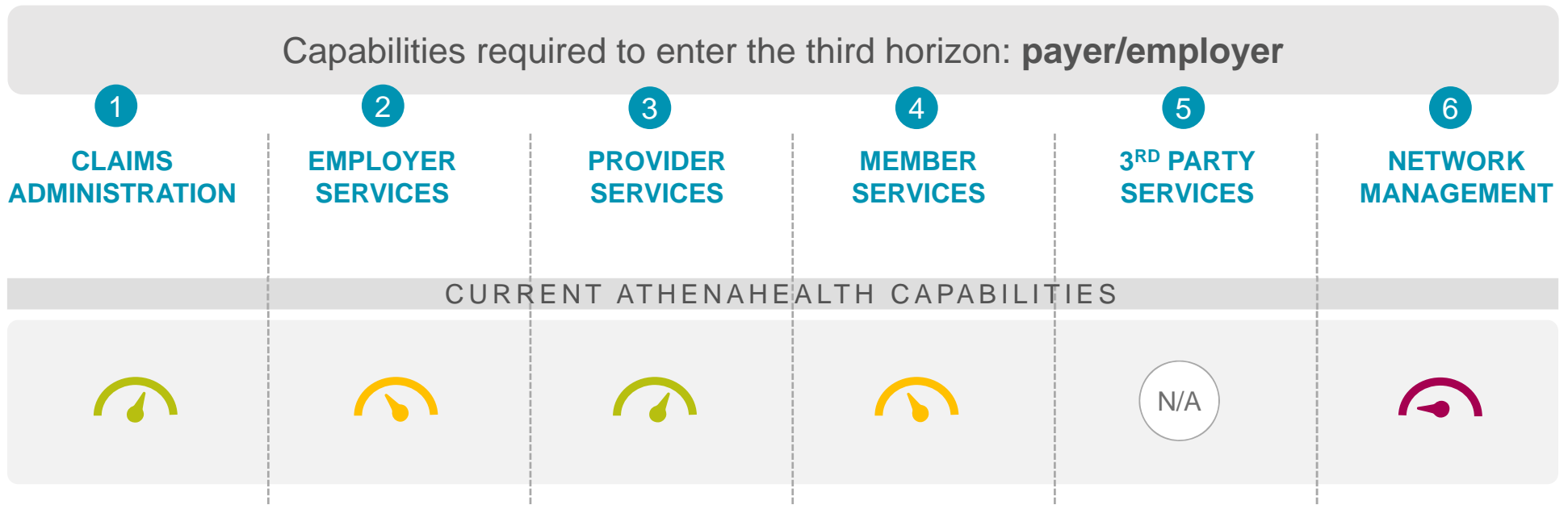


If we were going to start from scratch, here's what we would need to do:

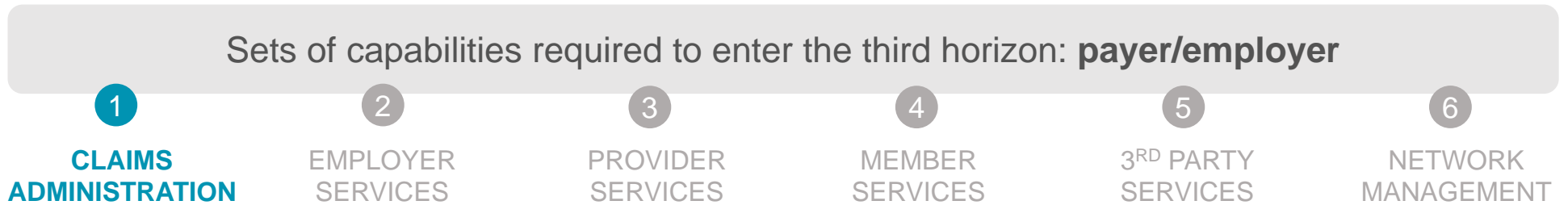
Capabilities required to enter the third horizon: payer/employer



However, over 20 years we have built capabilities that we can leverage



We have deep experience in administering claims on a national scale



Remittance (associated cost)

PROVIDER	\$0.45
PAYER	\$4.74
TOTAL	\$5.19

Payment (associated cost)

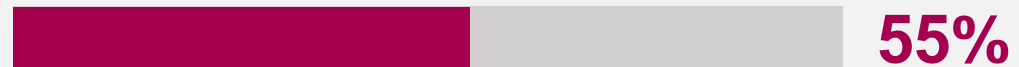
PROVIDER	\$0.48
PAYER	\$2.20
TOTAL	\$2.68

Remittance Rates

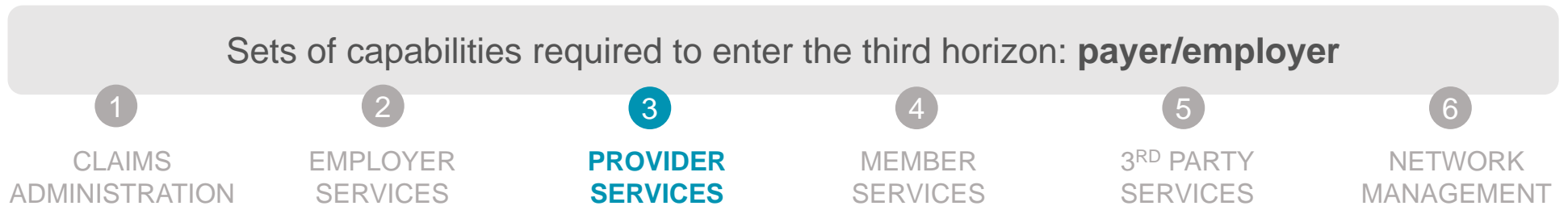
athenahealth



Industry average



Our Core Services investments align with key Horizon 3 functions



Eligibility (associated cost)

PROVIDER	\$4.29
PAYER	\$3.60
TOTAL	\$7.89

Prior Authorization (associated cost)

PROVIDER	\$3.64
PAYER	\$5.61
TOTAL	\$9.25

Authorization Management

2017 client work



7 minutes per phone authorization



~70M authorizations manually performed per year

2018 athenahealth work

0.5 FTE

reduction in client work per provider

...and investments in our network will differentiate us

Sets of capabilities required to enter the third horizon: **payer/employer**



 **111K**
providers

 **18%**
of all U.S. patients last year

 **106M**
total patient records

A coordinated **provider network**...

- ✓ **Efficient**
- ✓ **Accessible**
- ✓ **Effective**

...that engages the **consumer network**

- ✓ **Transparent**
- ✓ **Convenient**
- ✓ **Valued**

In 2018, we will strengthen our network effect by focusing on three areas:

1 Coordination

2 Access

3 Quality

In 2018, we will strengthen our network effect by focusing on three areas:

1 Coordination

2 Access

3 Quality

55%

of patients report that **their medical history is missing or incomplete** when they visit their doctor

95%

of physicians have experienced difficulty delivering medical **care because patients' records were not easily accessible**

Epocrates and athenaWell provide easy access to our coordinated care network for any individual provider or patient

Epocrates
Intelligent, virtual medical assistant

athenaWell
Intelligent navigation of patient information

30% reduction in charting time

Powered by machine learning and natural language processing

Single pane of glass between inpatient and outpatient

Beta Q2-2018 GA Q4-2018

Pre-loaded care teams using our national patient and provider directories

Patient-centered care plan

Real-time communication tools to improve care coordination

Beta Q3-2018 GA Q4-2018

In 2018, we will strengthen our network effect by focusing on three areas:

1 Coordination

2 Access

3 Quality



Most specialties see a
2 to 3 week
appointment wait time



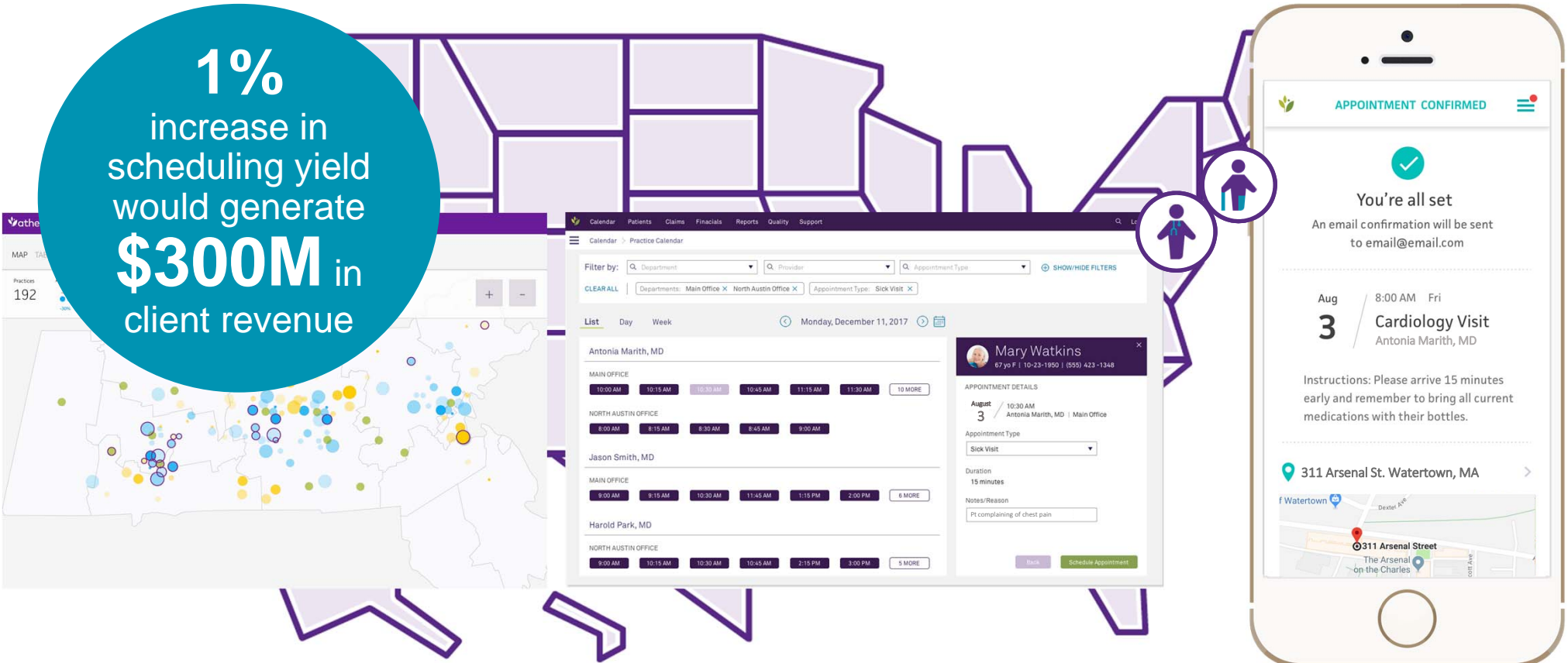
...and yet, nearly
30 percent
of all appointments
go unused

Booking time to appointment time has a high impact on yield

Time to Appointment	Appointment Yield
<1 Week	Completed 90% Cancelled / No Show
1 Week	Completed 85% Cancelled / No Show
2 Weeks	Completed 70% Cancelled / No Show
4 Weeks	Completed 63% Cancelled / No Show
8 Weeks	Completed 58% Cancelled / No Show

Our national calendar service will be a platform for matching supply and demand in healthcare

1% increase in scheduling yield would generate **\$300M** in client revenue



Beta Q2-2018

GA Q4-2018

In 2018, we will strengthen our network effect by focusing on three areas:

1 Coordination

2 Access

3 Quality

**4 to 8
hours**

**are spent per week per physician
documenting measures for
quality reporting**

Our untethered quality engine and clinical decision support tools will allow clients to define quality and apply network rules at the point of care

2014-2016

athenahealth had success with quality programs

- Providers avoided **\$265M** in penalties and received **\$182M** in incentive payments for MU & PQRS
- We posted payment for **over 400** other quality programs

2017+

Quality Management as a Service and Clinical Decision Support

MACRA
A new Medicare reimbursement system goes into effect in 2017

2017-2019 PATHWAYS FOR PAYMENTS

MERIT-BASED INCENTIVE PAYMENT SYSTEM

OR

ALTERNATIVE PAYMENT MODELS

What you do in 2017 will impact what you get paid in 2019.

NCQA Measuring quality. Improving health care

Cleveland Clinic
Center for Continuing Education

AHRQ Agency for Healthcare Research and Quality
Advancing Excellence in Health Care

The NEW ENGLAND JOURNAL of MEDICINE

CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

Stage 3 Program Requirements for Providers Attesting to their State's Medicaid EHR Incentive Program

Beta Q3-2018

GA Q4-2018

Our untethered quality engine and clinical decision support tools will allow clients to define quality and apply network rules at the point of care

2017+

Quality Management as a Service and Clinical Decision Support

MACRA

A new Medicare reimbursement system goes into effect in 2017

2017-
TWO
PATHWAYS
FOR
PAYMENTS

MERIT-BASED
INCENTIVE PAYMENT
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OR

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What you do in 2017 will impact what you get paid in 2019.



Cleveland Clinic
Center for Continuing Education



Agency for Healthcare Research and Quality
Advancing Excellence in Health Care



The NEW ENGLAND
JOURNAL of MEDICINE



Stage 3 Program Requirements for Providers Attesting to their State's Medicaid EHR Incentive Program

The screenshot displays the athenaNet interface with the following components:

- Problems:** acute sinusitis, abdominal pain, dyspnea, vitamin D deficiency, hyperlipidemia.
- Assessment & Plan:** It is time to prepare for the switch to ICD-10. Today's assessment includes acute sinusitis (J01.90 Acute sinusitis, unspecified) with a plan for azithromycin 250 mg tablet (2 tabs on day 1 then 1 tab daily days 2-5) and 1 moderate recommendation.
- Clinical Suggestions:**
 1. Recommends imipenem for E. coli in Watertown, MA (epocrates Bugs + Drugs)
 2. Consider referring patient to diabetes educator (DE) A1C > 8% (epocrates + Joslin Diabetes Center)
 3. Avoid propylthiouracil (PTU) for treatment of Graves' disease (epocrates + Mayo Clinic)
 4. Check for Congestive Heart Failure (1 major criteria, 2 minor criteria) (isabel)
 5. Consider referring patient to AllieLux

Beta Q3-2018

GA Q4-2018

Once we have tackled our three main areas of...



Coordination



Access



Quality

...we will have created the most coordinated and engaged provider and consumer networks in healthcare

Provider **network**

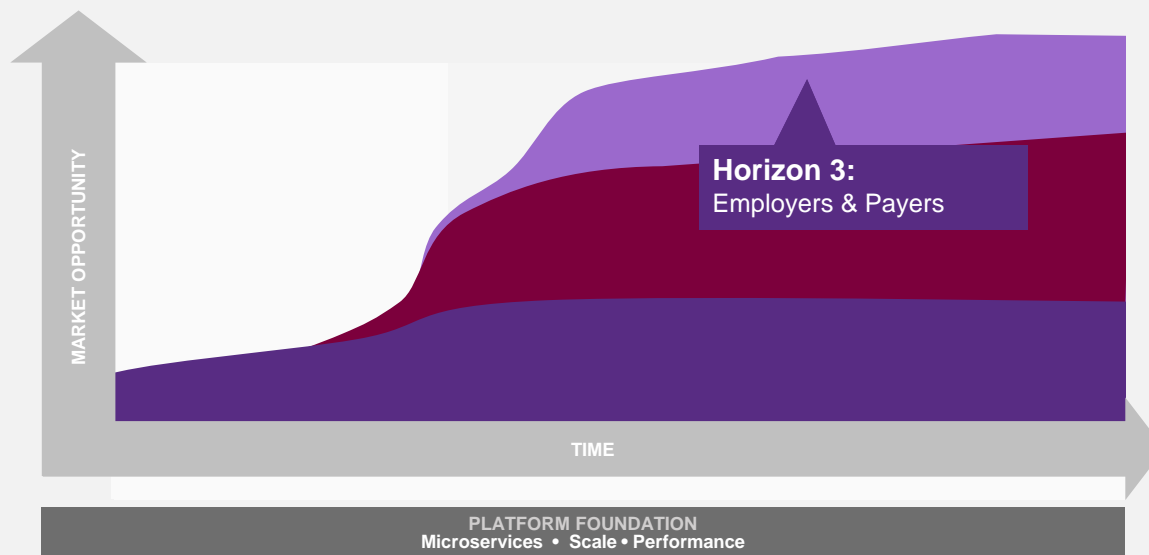
- ✓ **Efficient**
- ✓ **Accessible**
- ✓ **Effective**

Consumer **network**

- ✓ **Transparent**
- ✓ **Convenient**
- ✓ **Valued**

...positioning us for entry into Horizon 3

Sets of capabilities required to enter the third horizon: **payer/employer**



Presentation Break



Fireside Chat



Stephen Kahane, M.D., M.S.
Strategic Solutions



Panelists



Tim O'Brien
Chief Marketing
Officer



Paul Merrild
SVP Sales



Bret Connor
SVP Customer
Success

Management Q&A



Closing Remarks



Jonathan Bush
Chief Executive Officer

We are unleashing our collective potential

1 Opening the network

2 Multiplying intelligence

3 Freeing people to do what matters





**Please join us:
Lunch with Management**



Thank You

Appendix

Additional points of interest for fiscal year 2018

It is best to assess our business on a year-over-year basis as there is typically an increase in expense levels during Q1 versus Q4

- FICA payroll tax reset, benefit rate changes, trade shows, etc.

The number of working days varies each quarter; impacting collections during each period:

Q1 17	Q2 17	Q3 17	Q4 17	Q1 18	Q2 18	Q3 18	Q4 18
62	64	63	61	62	64	63	62

Our estimated FY 2018 capital expenditures, excluding capitalized software, is approximately 4% of consolidated revenue

Our estimated FY 2018 stock-based compensation expense range, including amortization of capitalized stock-based compensation related to software development, is approximately \$52 million to \$63 million

Our estimated FY 2018 amortization of purchased intangible assets range is approximately \$19 million to \$20 million

Our estimated FY 2018 integration and transaction costs range is approximately \$10 million to \$13 million

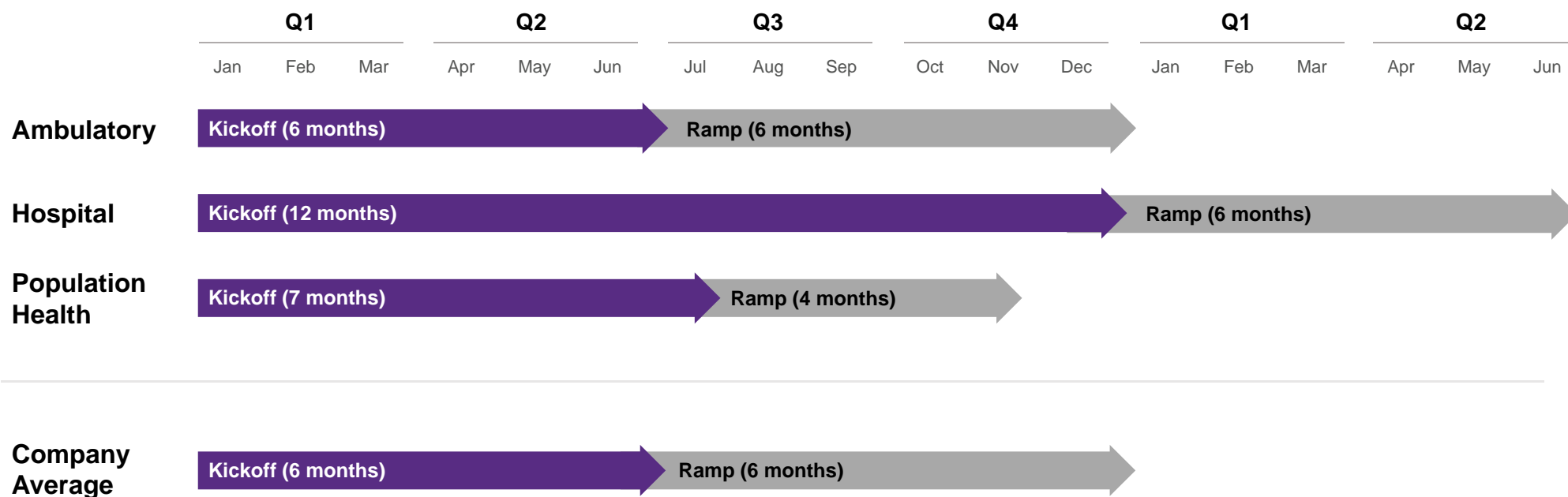
Our estimated FY 2018 exit costs, including restructuring costs range is approximately \$2 million to \$6 million

Our expected FY 2018 weighted average basic share count is approximately 40.4 million

Our expected FY 2018 weighted average diluted share count is approximately 41.3 million

Please note that these statements as well as all facts and figures presented above reflect our beliefs as of February 15, 2018 only, and we undertake no obligation to update these forward-looking statements, except as required by law. In addition, forward-looking statements do not constitute guarantees of future performance. Lastly, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.

Implementation cycle times for ambulatory, small hospital, and population health deals



Note: The implementation timelines and ramp periods illustrated above are directional and may vary by sales segment and service

Key metric definitions

Providers

The number of providers, including physicians, that have rendered a service which generated a medical claim that was billed during the last 91 days on the athenaCollector platform. Examples of physicians include Medical Doctors and Doctors of Osteopathic Medicine. Examples of non-physician providers are Nurse Practitioners and Registered Nurses.

Discharge Bed Days

Discharge bed days is defined as the number of days a patient is hospitalized in an inpatient level of care during the quarter. The day of the admission, but not the day of discharge, is counted. If both admission and discharge occur on the same day, it is counted as one inpatient day.

Covered Lives

Covered lives on the network is defined as the quarterly average of the number of patients for which we have eligibility, claims, pharmacy or risk data in the Population Health platform, for a given client in a given month.

Reconciliation of Non-GAAP Financial Measures to Comparable GAAP Measures

Non-GAAP reconciliation

GAAP Operating Income and Non-GAAP Operating Income			
\$Millions	Fiscal Year Ending December 31,		
	2017	2016	2015
Total revenue	\$1,220.3	\$1,082.9	\$924.7
GAAP operating income (loss)	\$70.6	\$26.6	\$(4.1)
<i>GAAP operating margin (loss)</i>	<i>5.8%</i>	<i>2.5%</i>	<i>(0.4)%</i>
Add: Stock-based compensation expense	54.3	66.5	64.1
Add: Amortization of capitalized stock-based compensation related to software development	2.8	5.0	4.4
Add: Amortization of purchased intangible assets	19.1	20.8	24.0
Add: Integration and transaction costs	9.5	2.4	1.0
Add: Exit costs, including restructuring costs	18.7	11.3	5.7
Less: Gain on investments, net	---	(0.3)	---
Non-GAAP Operating Income	\$175.0	\$132.3	\$95.1
<i>Non-GAAP Operating Margin</i>	<i>14.3%</i>	<i>12.2%</i>	<i>10.3%</i>

Please note that the figures presented above may not sum exactly due to rounding.

2018 Guidance

Non-GAAP reconciliation for fiscal year 2018 expectations

GAAP Operating Income and Non-GAAP Operating Income		
\$Millions	Low	High
	Fiscal Year Ending December 31, 2018	
Total revenue	\$1,310	\$1,380
GAAP operating income	\$108	\$152
<i>GAAP operating margin</i>	8.2%	11.0%
Add: Stock-based compensation expense	61	50
Add: Amortization of capitalized stock-based compensation related to software development	2	2
Add: Amortization of purchased intangible assets	20	19
Add: Integration and transaction costs	13	10
Add: Exit costs, including restructuring costs	6	2
Non-GAAP Operating Income	\$210	\$235
<i>Non-GAAP Operating Margin</i>	16.0%	17.0%

Please note that the figures presented above may not sum exactly due to rounding.

See press release dated 2/14/18 for an explanation of presentation of Non-GAAP Financial Measures. Also, please note that all figures presented above reflect our beliefs as of February 15, 2018 only, and we undertake no obligation to update these forward-looking statements, except as required by law. In addition, forward-looking statements do not constitute guarantees of future performance. Lastly, our 2018 guidance is prior to the impact of any new accounting standards, including ASC 606, to allow for comparability against historical results.



2018 Investor Summit

February 15, 2018